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REPORT ON

TOXIC SUBSTANCES CONTROL ACT (TSCA) WORK PLAN
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2, WEST OF C STREET
BOSTON, MASSACHUSETTS

by Haley & Aldrich, Inc.
Boston, Massachusetts

for United States Environmental Protection Agency
Boston, Massachusetts

File No. 12486-570
June 2016

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Attention: Ms. Kimberly Tisa
Region 1 TSCA PCB Coordinator

Subject: Toxic Substances Control Act (TSCA) Work Plan
Boston Convention & Exhibition Center
Phase 2, West of C Street (MassDEP RTN 3-16211)
Boston, Massachusetts

Dear Ms. Tisa:

Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this Toxic Substances Control Act (TSCA) Work Plan ("Work Plan") for the above-referenced TSCA Site. This document has been prepared pursuant to 40 CFR 761.61 of the regulations under TSCA and is being submitted in accordance with the requirements at 40 CFR 761.61(a)(3) and 761.61(c) for notification and management of bulk PCB remediation waste. This Work Plan supersedes the TSCA Work Plan dated 4 May 2015, which was previously submitted to the United States Environmental Protection Agency (EPA) on 5 May 2015.

This Work Plan was prepared for a portion of the Boston Convention & Exhibition Center (BCEC) Phase 2 Site by Haley & Aldrich on behalf of our client and the Site owner, the Massachusetts Convention Center Authority (MCCA). The MCCA plans to commence the activities described in this Work Plan (to achieve site closure under TSCA) prior to the expiration of the Short Term Approval in May 2017.

We have very much appreciated your guidance and assistance with this project to date. Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

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Executive Summary

This Toxic Substances Control Act (TSCA) Work Plan ("Work Plan") was prepared for a portion of the Boston Convention & Exhibition Center (BCEC) Phase 2 Site. The BCEC Phase 2 Site consists of a portion of the overall BCEC property and is located in an urban area of South Boston, Massachusetts.

Based on the historic use of the BCEC Phase 2 Site and the concentrations of PCBs detected in soil, a portion of the BCEC Phase 2 area (the "TSCA Site") is subject to regulation under TSCA (40 CFR 761). The TSCA Site was historically used as a metal scrapyard operated as The Boston Junk Company and SAK Recycling Corporation until 1996, when it was ordered by the Massachusetts Department of Environmental Protection (MassDEP) to cease activities at the property. During these operations, unknown quantities and types of oils and hazardous materials (OHM) were stored and/or used at the TSCA Site. The OHM stored at the TSCA Site and the historical Site usages are known to have impacted the TSCA Site. Although specific releases at the TSCA Site were not documented at the time, records of various incidents were recorded by previous consultants and regulators relating to the TSCA Site activities, dating back to 1982. Incidents were reported to have included storage of transformers and debris on property as well as adjacent properties, disassembly of transformers by blowtorch, leaking transformers, and on-site fires. Several investigations conducted by various environmental consultants at the TSCA Site detected the presence of total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), and metals in TSCA Site soils.

In 2000, soil and debris stockpiles were removed from the SAK Site for off off-site disposal, and a protective asphalt cap (EM-1 Cap) was built as a temporary installation by the (Boston Redevelopment Authority) BRA. The EM-1 Cap was considered a temporary measure designed to provide a paved surface for the construction laydown area for Phase 1 of the BCEC and to eliminate potential exposure to underlying soils. The EM-1 Cap was constructed in response to elevated levels of PCBs, metals, and petroleum within the TSCA Site.

Following the construction of Phase 1 of the BCEC in 2005, excess historic fill soils generated from the construction of Phase 1 of the BCEC were graded across the Phase 2 area (including the TSCA Site) and used to raise the grade in the Phase 2 area by up to 7 ft (current TSCA Site grades range from El. 16 to 22) for the construction of the existing BCEC parking lot. The soils used to raise the grade (referred to as Parking Area Backfill) contain low levels of PCBs (generally less than 10 mg/kg) that, in our opinion, are not regulated by TSCA. The BCEC Phase 2 Site currently consists of an active, controlled access parking lot.

Based on the historic use of the TSCA Site and the concentrations of PCBs detected in soil, our current understanding of the portion of the BCEC Phase 2 area that is subject to regulation under 40 CFR 761 is defined laterally by PCBs that are present at concentrations greater than or equal to 1 mg/kg within and vertically below the ground surface that existed at the completion of EM-1 Cap in 2000 (either at the bottom of the EM-1 Cap or El. 17 in areas where the EM-1 Cap is not present). The TSCA Site as currently understood consists of an approximately 296,700 sq ft (7± acre) area in Phase 2 of the BCEC.

The Massachusetts Convention Center Authority (MCCA) was previously planning to redevelop the BCEC Phase 2 area. Redevelopment plans envisioned the construction of an expansion to the existing Convention Center building which would cover the majority of the TSCA Site. It is now clear

that the BCEC expansion plans have been placed on indefinite hold and it appears unlikely it will occur in the near future. The current and future foreseeable use of the BCEC Phase 2 area is a controlled access parking lot and truck marshalling area.

Haley & Aldrich evaluated a Risk-Based Cleanup approach that takes into consideration the current and planned future use of the Phase 2 area as a vehicle parking lot and truck marshalling area, as well as a comparison to the Self-Implementing Cleanup approach (40 CFR 761.61(a)) of removing all soils with PCB concentrations greater than 100 mg/kg. The selected remedial approach consists of the Risk-Based Cleanup whereby soils with PCB concentrations greater than or equal to 500 mg/kg will be excavated and disposed of off-site, to attain a site average PCB concentration of 100 mg/kg.

The Risk Based Cleanup is anticipated to begin in March 2017, prior to the expiration of the Short Term Approval in May 2017. If performed on schedule, remedial excavation of PCB-contaminated soils at the TSCA Site and Site restoration are expected to be complete in the Summer of 2017.

1. Introduction

1.1 TSCA SITE LOCATION AND CONDITIONS

The limits of the Site subject to this Toxic Substances Control Act (TSCA) Work Plan (the "TSCA Site") are located on a portion of the Boston Convention & Exhibition Center (BCEC) Phase 2 area. The BCEC Phase 2 area consists of a portion of the overall BCEC property and is located in an urban area of South Boston, Massachusetts, as shown on Figure 1. The BCEC Phase 2 area is surrounded by a mixture of residential, industrial, and commercial properties, and consists of a portion of the surface parking lot within the statutory BCEC project limits. The Phase 2 area is located southwest of the existing BCEC building and adjacent access road, northwest of D Street, northeast of and including a portion of New Cypher Street, and southeast of rail land adjacent to the South Boston Haul Road (Figure 2).

The limits of the TSCA Site are within the Phase 2 area and are generally bounded by New Cypher Street to the southwest, a portion of the BCEC Phase 2 parking lot to the southeast (starting around the former C Street location), railroad right-of-way adjacent to the South Boston Bypass Haul Road to the northwest (Parcel 20B), and an access roadway to the northeast (beyond which is the existing BCEC building). The limits of the TSCA Site are shown on Figures 3 and 4.

Currently the TSCA Site consists of a portion of New Cypher Street and a portion of an active, controlled access, parking lot (referred to as the South Lot) servicing the BCEC. The entire TSCA Site is covered with asphalt, and/or crushed stone rip rap placed for management of storm water. Two small parking lot attendant booths are also present on the TSCA Site.

Existing ground surface elevations are referenced in feet and range from approximately El. 22 to El. 16 Boston City Base (BCB) datum.

1.2 HISTORICAL SITE USAGE

1.2.1 Overview

The TSCA Site and Phase 2 of the BCEC were originally part of the tidelands of Boston Harbor. This area was created by various stages of filling conducted around the mid-to-late 1880's. Material used to fill the Phase 2 area consists of miscellaneous Historic Urban Fill and hydraulic fill.

According to a review of historical documents, including Sanborn Fire Insurance Maps, the Phase 2 area was largely undeveloped until about 1899. In 1899, C Street bisected the Phase 2 area from southwest side to the northeast side. The area to the west of C Street contained several roadways; however, no buildings are depicted on the Sanborn Maps.

Between approximately 1899 and 1922, several railroad tracks and buildings were constructed on or adjacent to the TSCA Site. The Phase 2 area was primarily used by NYNH&H Railroad as a freight yard and the Brooklyn Cooperage Company cooper shop. Anchor Street (more recently known as the former Louis Street) was located in the south portion of the TSCA Site. The Boston Transit Commission and Supreme Wines Company utilized the area between Anchor Street and Cypher Street as a stock yard, and included storage warehouses, a machine shop, and several sheds. The

railroad tracks associated with NYNH&H Railroad were present at the TSCA Site until between 1964 and 1988.

Between 1922 and 1950, the buildings utilized by the Brooklyn Cooperage Company became occupied by a grocer's warehouse. Additionally, a freight house was constructed to the northeast of the former Brooklyn Cooperage Company along C Street.

Between 1950 and 1964, Anchor Street was renamed Louis Street. The 1964 Sanborn Map shows that a new building was constructed between the grocer's warehouse and the freight house that was utilized as a tomato warehouse. A small area located to the north of the grocer's warehouse is labeled "scrap metal." The Boston Transit Commission was replaced by the Boston Iron and Metal Company scrap metal yard.

The area remained substantially unchanged from 1964 through the 1990's. In the late 1990's to early 2000, existing buildings on the TSCA Site were demolished in preparation for the construction of the BCEC (Phase 1). The TSCA Site and the rest of BCEC Phase 2 were used as a soil stockpile and construction staging area from 2000 until completion of the Phase 1 BCEC in 2004. In 2005, excess soils generated from the construction of Phase 1 of the BCEC were spread across the Phase 2 area to raise the grade by up to 7 ft (current TSCA Site grades range from El. 16 to 22) for the construction of the existing BCEC parking lot.

Figure 5 shows the approximate locations of the former buildings and other structures at the TSCA Site.

1.2.2 Former Site Operations - Boston Junk Company/SAK Recycling Facility

From 1947 to 1985, the TSCA Site at 14 Louis Street and Cypher Street was operated as The Boston Junk Company and was owned by Louis Freedman. SAK Recycling Corporation bought the property in 1992, and continued to use the property as a junkyard until 1996, when it was ordered by the Massachusetts Department of Environmental Protection (MassDEP) to cease activities at the property. During these operations, unknown quantities and types of oils and hazardous materials (OHM) were stored and/or used at the TSCA Site. The OHM stored at the TSCA Site and the historical Site usages are known to have impacted the TSCA Site.

According to a 1996 report by New England Environmental Technologies Corporation (NEET) and a 2000 report from Weston & Sampson Engineers, Inc. (WSEI), although specific releases at the SAK Recycling Corporation Site were not documented at the time, records of various incidents were recorded by previous consultants and regulators relating to the TSCA Site activities, dating back to 1982. Incidents were reported to have included: "observation of transformers and debris on property as well as adjacent properties, identification of strong odors, several fires, disassembly of transformers by blowtorch, and sampling of soil and leaking capacitors which contained 96-100% PCBs." Several investigations conducted by various environmental consultants at the SAK Recycling Corporation Site detected the presence of total petroleum hydrocarbons (TPH), PCBs, and metals in TSCA Site soils.

The TSCA Site was originally assigned Release Tracking Number (RTN 3-0580) by MassDEP, and was designated as a Tier IA Disposal Site. The area of the former operations of Boston Junk/SAK Recycling Corporation were also the subject of litigation by the Commonwealth of Massachusetts,

Boston Redevelopment Authority and Massachusetts Convention Center Authority, Plaintiffs, v. Boston Edison Company, SAK Recycling Corporation, Fiore Construction Co., Inc. and Walter Fiore, Defendants, Mass. Sup. Ct., Civ. Action No. 96-0673A, and in a companion case, SAK Recycling Corporation, Plantiff, v. Boston Edison Company, Defendant, Mass. Sup. Ct., Civ. Action No. 96-628D.

The BCEC Phase 2 area was historically comprised of multiple separately owned parcels. These parcels were purchased by the Boston Redevelopment Authority (BRA) and ownership of the property was transferred to the Massachusetts Convention Center Authority (MCCA) after enactment of the enabling legislation to create the BCEC. As part of the development of the BCEC Phase 1 area, buildings remaining at the TSCA Site were demolished in 1999-2000. Following remedial activities and construction of EM-1 Cap in 1999, the Phase 2 area was used as staging area for the Phase 1 BCEC construction during 2000-2004, and the parking lot supporting the Phase 1 BCEC was constructed in 2005.

1.3 REGULATORY BACKGROUND

1.3.1 MassDEP Regulatory Background

As indicated above, the BCEC property is composed of several parcels that have been used for industrial and commercial purposes for over 100 years. Under enabling legislation for the BCEC Project, property within the BCEC project limits was acquired and made ready for development by the BRA. The BRA was then charged with transferring the project property to the MCCA for the MCCA's subsequent construction and operation of the Phase 1 BCEC. Responsibilities of the BRA and the MCCA regarding oil and hazardous materials regulated under the Massachusetts Contingency Plan (MCP) were set forth in an Application for Special Project Designation (SPD), dated 18 November 1999. The SPD encompasses the entire BCEC Project Site – Phase 1, Phase 2, and the Boston Convention Center Hotel (BCCH) Phase 1 Ground Lease Area (Figure 2) – and defined the progression of MCP regulatory submittals up to Permanent Solution for the BCEC Project. SPD was granted for the BCEC by the Massachusetts Department of Environmental Protection (MassDEP) in their letter dated 10 February 2000 (Transmittal No. W003640). MassDEP granted an extension of the SPD for Phase 2 through May 2008, and on 1 July 2008, MassDEP extended the SPD Permit for Phase 2 until 30 June 2009 with the condition that the Phase 2 area must be Tier classified prior to this date. A MCP Phase I Initial Site Investigation Report and Tier II Classification Submittal for the BCEC Phase 2 area west of C Street (including the former SAK Site) was submitted to MassDEP and the United States Environmental Protection Agency (EPA) on 30 June 2009.

The BCEC Property is currently tracked by four Release Tracking Numbers (RTNs): RTN 3-16211, RTN 3-16215, RTN 3-16224, and RTN 3-16230. A brief discussion of each RTN is provided below.

1.3.1.1 RTN 3-16211

The majority of the TSCA Site (approximately 6.5 acres) is included within the limits of RTN 3-16211. The RTN 3-16211 Disposal Site ("RTN 3-16211 Site") consists of approximately 9.4 acres of land located in Phase 2 of the BCEC that is bounded by Cypher Street to the southwest, a portion of the BCEC Phase 2 parking lot to the southeast (starting at the former C Street location), rail land adjacent to the South Boston Bypass Haul Road to the northwest, and an access roadway to the northeast (beyond which is the existing BCEC building) and excludes the limits of RTN 3-16224 located in the southwest corner of the BCEC property.

Many Release Notification Forms (RNF, BWSC103) have been submitted to MassDEP for releases identified within the limits of the RTN 3-16211. The RTNs assigned to these releases were 3-16211, 3-16212, 3-16213, 3-16219, 3-16218, 3-16225, and 3-16226. Per communication with MassDEP on 7 and 12 May 2009, these RTNs were linked to RTN 3-16211 since this RTN was the first RTN issued within the area of the subject Site. Therefore, the parcel identified herein as BCEC Phase 2 West of C Street, including the majority of the TSCA Site, is addressed cumulatively under RTN 3-16211.

The RTN 3-16211 Site is covered with historic urban fill material, which is considered to be a source of oil and hazardous materials detected in soil and groundwater with the exception of the portion of the RTN 3-16211 Site over which operations were conducted by the former Boston Junk/SAK Recycling facility, where elevated concentrations of PCBs and other hazardous materials have been identified. In addition, underground and above-ground storage tanks were formerly present at the RTN 3-16211 Site, all of which were previously removed by Weston and Sampson Engineers, Inc. (WSEI) and the Boston Redevelopment Authority (BRA) prior to the transfer of the property to the MCCA. Other sources of potential contamination include former oil/water separators, floor drain outlets, and historic waste management and disposal practices.

A Phase II Comprehensive Site Assessment (CSA) and Phase III Remedial Action Plan (RAP) were submitted to MassDEP and the EPA for RTN 3-16211 (BCEC Phase 2 Area West of C Street) on 30 June 2011. The Phase II CSA provided information relative to the source, nature, extent and potential impact of the release, as well as information relative to the risk of harm posed by the RTN 3-16211 Site to health, safety, public welfare, and the environment and the need to conduct remedial actions at the RTN 3-16211 Site. The Phase II concluded that, although a condition of “No Significant Risk” of harm to human health exists at the RTN 3-16211 Site for current and foreseeable Site uses as well as for safety and ecological receptors, a condition of No Significant Risk does not exist for public welfare or the environment in the future because one or more soil exposure point concentrations (EPCs) for antimony, Aroclor 1248, Aroclor 1254, Aroclor 1260, lead, and zinc exceed applicable MCP Upper Concentration Limits. Therefore, Comprehensive Remedial Actions are necessary at the RTN 3-16211 Site to achieve a Permanent Solution under the MCP.

The Phase III RAP documented the identification, evaluation, and selection of a comprehensive remedial action alternative that addresses the identified risk and which is likely to achieve a Permanent Solution or Temporary Solution. The selected remedial action alternative is Long-Term Monitoring to achieve a Temporary Solution. Although a Temporary Solution was selected because it was more cost-effective and timely than a Permanent Solution, the Phase III also anticipated that soil excavation to achieve a Permanent Solution would be implemented in the future, in some manner, during planned redevelopment of the Phase 2 portion of the BCEC.

A Class C-2 Response Action Outcome (RAO) Statement (Temporary Solution), dated 29 June 2012, was submitted to MassDEP and EPA on 29 June 2012 for RTN 3-16211. Per 310 CMR 40.0861(2)(h), “definitive and enterprising steps” to achieve a Permanent Solution must be presented when the selected remedial alternative is a Temporary Solution. An existing Maintenance and Monitoring Program (groundwater sampling) being performed as part of the EPA Short-Term approval has been effective at demonstrating that TSCA Site conditions are stable and contaminants are not migrating off-site (see details below). Accordingly, the Maintenance and Monitoring Program is continuing as a Post-Permanent Solution activity.

1.3.1.2 RTN 3-16215

Approximately 5,040 sf (0.12 acres) of the TSCA Site is located within the limits of RTN 3-16215. The RTN 3-16215 Disposal Site ("RTN 3-16215 Site") consists of an approximately 8.7-acre area of Phase 2 of the overall BCEC property that is bounded by Cypher Street to the southwest, a portion of the BCEC Phase 2 parking lot to the northwest (starting at the former C Street location), and an access roadway to the northeast (beyond which is the existing BCEC building), and D Street to the southeast (Figure 2). A Class B-2 Response Action Outcome (RAO) Statement (Permanent Solution with Conditions per 310 CMR 40.1055(2)), dated 16 February 2011, was previously submitted to MassDEP for the RTN 3-16215 Site. An Activity and Use Limitation (AUL) was filed with the Suffolk County Registry of Deeds to restrict certain Site uses such as single- or two- family residences, schools, kindergartens, daycares, outdoor active recreation or outdoor playgrounds.

1.3.1.3 RTN 3-16224

RTN 3-16224 was formerly part of the TSCA Site. RTN 3-16224 consists of approximately 0.3 acres of land located in the southwest corner of the BCEC Phase 2 Site that is bounded by the South Boston Haul Road to the northwest, rail land to the northeast, a portion of the BCEC Phase 2 parking lot to the southeast, and undeveloped former rail land to the southwest (Figure 4).

On 21 November 2000, Haley & Aldrich submitted a Construction RAM Plan to MassDEP for the construction of an approximately 19,210 square foot (sf) portion of New Cypher Street at its junction with the South Boston Bypass Road (SBBR). Because this work was not addressed in the SPD's pre-approved, Site-wide RAM Plan, the Construction RAM Plan was assigned RTN 3-16224 by MassDEP. A proposal was also submitted to the EPA for TSCA compliance for this portion of Cypher Street on 7 March 2001 by Palmer & Dodge and Haley & Aldrich, Inc. Following EPA's approval, RAM activities were conducted between 4 April 2001 and 18 June 2001, and consisted of excavating to predetermined depths within the RAM area. Confirmatory samples collected from the finished excavations indicated that concentrations of PCBs greater than 1.0 mg/kg had been removed, with the exception an approximately 1,800 sf area (known as Area D) located on the southeast portion of the RAM area. PCBs remained in this 1,800 sf area at concentrations up to 43 mg/kg. A Class A-2 RAO (Permanent Solution with No Conditions per 310 CMR 40.1055(1)), dated 15 August 2001, was submitted to MassDEP for RTN 3-16224, which did not include Area D. As an alternative to further excavation in Area D, the roadway cap (i.e., New Cypher Street) was considered a temporary solution, as described in the EPA-approved plan. The decision was made to consider Area D in future remediation activities.

1.3.1.4 RTN 3-16230

Approximately 10,350 sf (0.24 acres) of the TSCA Site is located within the limits of RTN 3-16230. RTN 3-16230 consists of approximately 37 acres of the BCEC Site (sometimes referred to as Phase 1) which is generally bounded by Summer Street to the northeast, D Street to the southeast, Phase 2 of the BCEC to the southwest, and rail land to the northwest, beyond which is the South Boston Haul Road. Following construction of the existing BCEC in 2004, a Class A-3 RAO Statement (Permanent Solution with Conditions per 310 CMR 40.1055(2)), dated 1 December 2008 was submitted to MassDEP. An Activity and Use Limitation was filed with the Suffolk County Registry of Deeds to restrict certain Site uses such as single- or two- family residences, schools, kindergartens, daycares, outdoor active recreation or outdoor playgrounds.

1.3.2 EPA Regulatory Status and Prior PCB Cleanup

Based on concentrations of PCBs detected in soils, portions of RTNs 3-16211, 3-16215 and 3-16230 are subject to regulation under TSCA.

Several response actions have been conducted at the TSCA Site as part of construction and/or remediation activities. In 1992, as part of the remediation of the Haul Road, PCBs within the planned Haul Road area and the adjacent "PCB runoff area" were remediated to less than 2 mg/kg in soil. The PCB runoff area consisted of the area where North Shore Recycling/ Ferragamo firefighting water was reported to have spread PCBs to the north off of a (then) paved area. This soil remediation was performed under the Central Artery (I-93)/Tunnel (I-90) Project (CA/T) in preparation of constructing the South Boston Bypass Road. Under the CA/T Project, approximately 5,200 tons of PCB-contaminated soil was excavated and transported to a disposal facility from an area which currently includes a portion of the BCEC South Lot. This work was performed in March and April 1992 under the direction of Camp Dresser and McKee, Inc., (CDM). The work was performed under the review and approval of MassDEP as a Short Term Measure. The Short-Term Measure removed PCB-contaminated soil to a cleanup standard of 2 mg/kg PCBs and achieved a Permanent Solution within the Right-of-Way (ROW) of the South Boston Bypass Road and PCB runoff area, which is currently occupied by a portion of the BCEC parking lot. The extent of the remediation is shown on Figure 4.

In 1998, Boston Edison Company completed an Immediate Response Action (IRA) within the former Boston Junk/SAK Recycling Corporation property (RTN 3-0580) to address elevated levels of PCBs in soil in this area. The purpose of the IRA was to abate a potential imminent hazard (IH) condition on the former SAK property and to assess the nature and extent of PCB contamination in soil on and adjacent to the property. The SAK property was secured with fencing and locked in 1997 to abate the IH condition. Assessment activities were conducted in September 1997 and January 1998 to assess the nature extent of PCB contamination. The results of the assessment indicate that releases of PCBs occurred on the former SAK property during its operation as a junkyard. Further, active rail yard activities (including the accidental release of PCBs resulting from transportation of transformers on property adjacent to the former SAK property) were confirmed and were considered to be a source of the PCBs and urban fill contamination. Completed IRA activities also included the removal of approximately 7.5 tons of soil from catch basins by Clean Harbors in 1998.

In 2000, a Release Abatement Measure (RAM) Plan was submitted to MassDEP by WSEI to manage surficial debris and soil/debris stockpiles at the SAK property and to construct a protective cap at the property. Approximately 3,500 cy of soil/debris was fed through a screen/crusher to separate large debris from the soil. The soil/debris mixture was then treated by Maxymillion Technologies using indirect thermal desorption to reduce the concentration of PCBs to less than 10 mg/kg. The treated soil was further treated to reduce TCLP lead levels to below the 0.75 mg/L RCRA threshold. Following off-site disposal of the soil and debris, a protective asphalt cap (EM-1 Cap) was built as a temporary installation by the BRA to provide a paved surface for the construction laydown area for Phase 1 of the BCEC and to eliminate potential exposure to underlying oil and hazardous materials, including PCBs, detected in soil. The EM-1 Cap was constructed in response to elevated levels of PCBs, metals, and petroleum with the former SAK property. The extent of the EM-1 Cap is shown on Figure 4.

The EM-1 Cap was installed under MassDEP and United States Environmental Protection Agency (EPA) (19 May 2000 Short-Term Risk-Based Approval) oversight; however, the EM-1 Cap is not considered a Permanent Solution for releases at the SAK Site. Following construction of the EM-1 Cap, WSEI submitted a Monitoring and Maintenance (M&M) Plan dated 14 November 2000 to EPA on behalf of the BRA. The M&M Plan identified groundwater monitoring locations and a biannual sampling program for PCBs in groundwater. WSEI submitted groundwater monitoring data in reports dated July 2001, March 2002, and January 2003. Haley & Aldrich submitted a revised groundwater monitoring plan to EPA dated 26 August 2003 to modify the planned monitoring locations to certain downgradient and perimeter wells, and began implementation of and reporting on the revised groundwater monitoring plan in April 2004. Thereafter, Haley & Aldrich has submitted groundwater monitoring data (to EPA and MassDEP) in reports on a biannual basis from June 2005 through December 2014.

At the time the Short Term Approval was being discussed, all of the parties envisioned the potential of extending the approval to link to the BCEC construction schedule and the potential expansion into the Phase 2 area at a later date. As a result, the Short Term Approval explicitly recognizes that it may be extended by EPA if requested by MCCA or Boston Redevelopment Authority. Since the original Approval of the Short Term Risk-Based Remedy was granted for the EM-1 Remediation Site in by the EPA in 1999, the Short Term Approval has been extended a total of four times, the most recent was requested in a letter from Haley & Aldrich dated 6 May 2014 for extension through 11 May 2017.

As described above, Haley & Aldrich performed remediation of PCBs in an approximately 19,210 sf portion of New Cypher Street at its junction with the South Boston Bypass Road (SBBR). This remediation work was conducted under approvals by MassDEP and EPA. Excavation to predetermined depths removed concentrations of PCBs greater than 1.0 mg/kg, with the exception an approximately 1,800 sf area (Area D) located on the southeast portion of the area. PCBs remained in this 1,800 sf area at concentrations ranging from 1 mg/kg to 43 mg/kg. The roadway cap (i.e., New Cypher Street) was considered a temporary solution, as described in the EPA-approved plan, and Area D was to be considered in future remediation activities.

1.4 ANTICIPATED FUTURE PROPERTY USE

The current use of the BCEC Phase 2 area is a controlled access parking lot and truck marshalling, and the future foreseeable use of the BCEC Phase 2 area is the same as its current use.

There are no current redevelopment plans for the BCEC Phase 2 area. Although redevelopment plans were made in 2015 for the construction of a large-scale expansion to the existing Convention Center building which would cover the majority of the TSCA Site, it is now clear that the expansion of the BCEC is placed on indefinite hold for the foreseeable future.

1.5 LIMITATIONS

This Work Plan was prepared by Haley & Aldrich in accordance with our Proposal to the Massachusetts Convention Center Authority dated 8 March 2016. This Work Plan was prepared for the exclusive use of MCCA, MassDEP, and the EPA in connection with the subject BCEC Phase 2 project. There are no intended beneficiaries other than the MCCA, the MassDEP and the EPA.

Haley & Aldrich shall owe no duty whatsoever to any other person or entity on account of the Proposal or the Work Plan. Use of this Work Plan by any person or entity other than MCCA, MassDEP, and the EPA for any purpose whatsoever without the express written authorization of the Massachusetts Convention Center Authority and Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to the Massachusetts Convention Center Authority or Haley & Aldrich.

2. TSCA Site Characterization

2.1 SUBSURFACE EXPLORATION PROGRAMS

Numerous subsurface explorations have been conducted at the TSCA Site to characterize the nature and extent of contamination and to classify the soils for potential off-site disposition. Details regarding the subsurface exploration programs are provided below.

2.1.1 GZA, Inc., Environmental Site Assessment (1984-1985)

In 1984 and 1985, GZA, Inc. (GZA) conducted an assessment of soil and groundwater quality at the former Conrail Property located to the southwest of the former SAK Site, adjacent to the former Energy International parcel. The subsurface investigation program included the excavation of 12 test pits, installation of five test boring/monitoring wells, and collection and screening analysis of subsurface soil and groundwater samples for VOCs as well as laboratory analysis of PCBs. The results were presented in a report entitled "Environmental Site Assessment, Conrail Properties, South Boston, Massachusetts," dated 26 November 1985. The results of the investigation detected PCBs up to 240 mg/kg on the Conrail property near its property boundary with Energy International, where GZA staff had observed transformers being disassembled with a blow torch, and then the subsequent fire being extinguished with water. GZA reported observed water with an oily film flow from the Energy International property on to Conrail property. Therefore, GZA concluded that the Conrail property had been impacted by PCBs due to runoff from the adjacent scrap metal operation (Boston Junk/SAK).

2.1.2 ABB Environmental Services, Inc. Draft Report, Preliminary Site Assessment (1990)

In 1990, ABB Environmental Services, Inc. (ABB) conducted a preliminary site assessment which included a review of existing historic site data, site observations, and additional soil sampling and analyses at the Energy International property at 430 C Street. The subsurface investigation program included the advancement of 7 test boring explorations located northeast of former Louis Street (adjacent to SAK Site), three surficial test pit excavations (two located west, and one further north of the SAK Site), and collection and analysis of subsurface soil samples for PCBs, TPH, and VOCs. Soil samples were collected from each test boring location, with each sample composited from 0 to 4 ft depths, submitted for PCB analysis. Surficial soils were also collected at three additional locations, with samples submitted for PCB, TPH, and VOC analysis. The results were presented in a report entitled "Draft Report, Preliminary Site Assessment, Energy International, Inc., 430 C Street, South Boston, Massachusetts," dated 8 May 1990. The results of the investigation detected PCBs up to 1,500 mg/kg on the Energy International property, with concentrations increasing in a southwestern pattern towards the SAK Site. The surficial samples collected west and further north of the SAK Site indicated lower PCB concentrations ranging from non-detect (ND) to 2 mg/kg.

2.1.3 GZA, Inc., Environmental Site Assessment (1995)

In 1995, GZA conducted an assessment of soil quality at the former Energy International C Street property, to further assess extent of PCB contamination in soil. The subsurface investigation program included the excavation of 17 shallow test pit locations and the collection of soil samples for laboratory analysis of PCBs from 6-in depth interval and/or from surficial soils. The results were

presented in a report entitled "Results of PCB Sampling and Analysis, C Street Property, Boston, Massachusetts," dated 6 November 1995. The results of the investigation indicated PCBs were detected in all samples collected on the C Street Energy International property (both in the surficial and 6-in depth samples), with concentrations up to 370 mg/kg. The majority of the sample locations where PCB concentrations were detected above 10 mg/kg were noted as being "directly adjacent to the property boundary with Boston Junk".

2.1.4 Harding and Lawson Associates (1998)

In 1998, Boston Edison Company completed an Immediate Response Action (IRA) within the former Boston Junk/SAK Recycling Corporation Site (RTN 3-0580) to address elevated levels of PCBs in soil in this area. The purpose of the IRA was to abate a potential imminent hazard (IH) condition on the former SAK property and to assess the nature and extent of PCB contamination in soil on and adjacent to the property. The SAK Site was secured with fencing and locked in 1997 to abate the IH condition. Assessment activities were conducted in September 1997 and January 1998 to assess the nature extent of PCB contamination. The results of the assessment indicate that releases of PCBs occurred on the former SAK property during its operation as a junkyard. Further, active rail yard activities including the accidental release of PCBs resulting from transportation of transformers on property adjacent to the former SAK property were confirmed and were considered to be another source of the PCB and urban fill contamination. The "Immediate Response Action Completion Report, Boston Edison Company, Release Tracking Number 3-580, Boston Junk Site, Boston, Massachusetts", dated October 1998 provides a summary of soil sampling an analysis performed by Harding and Lawson Associates, formerly ABB Environmental Services, Inc., during September 1997 and January 1998 sampling programs.

2.1.4.1 SAK Properties – September 1997

In 1997, Harding and Lawson conducted an assessment of soil quality at the SAK properties (including the SAK Site), to assess extent of PCB contamination in surficial soil, in existing soil/junk piles and from site catch basins.

- Surface soil: Surficial soil samples were collected from 0-1 ft depth intervals from 51 locations, in approximate 50-ft grids within the SAK Site, as well as the SAK property located southwest of Cypher Street. Samples were collected from each location for PCB analysis, with 25 of the samples also analyzed for TPH (or EPH). One sample was collected from each location at a depth of 1 to 2 ft below ground surface, where staining was observed. Results of the PCB analysis indicated concentrations ranging from non-detect to 3,321 mg/kg, with the highest concentrations generally located in the southeastern portion of the SAK property.
- Soil/Junk Piles: A total of 6 composite soil samples were collected from three separate soil/junk piles present onsite. Each soil sample was submitted for PCBs, TPH, Metals, and EPH analysis. Results of the PCB analysis indicated concentrations ranging from 116 mg/kg to 288 mg/kg.
- Catch Basins: One sediment/soil sample was collected from each of the three catch basin present onsite. Each sediment/soil sample was collected from the top 1 ft of sediment present in each of the catch basins, and was submitted to a laboratory for analysis of PCBs, TPH, Metals, and EPH. Results of the PCB analysis indicated concentrations of PCBs ranging from 28 mg/kg to 61 mg/kg.

2.1.4.2 SAK and Adjoining Properties – January 1998

In 1998, Harding and Lawson conducted an additional assessment of soil quality at the SAK properties as well as in adjacent properties, including: Energy International located north of the SAK site, Cypher Street/MassPort property at the southern limit if the SAK site, and the Casey and Hayes property located across Cypher Street. Samples were collected to further delineate the extent of contamination at the SAK site, as well as at adjoining properties.

- SAK properties: Thirteen of the surficial soil sampling locations sampled within the SAK properties during the September 1997 Harding and Lawson sampling round were re-sampled at 1 to 2 ft and 2 to 3 ft depth intervals. An additional four test borings were advanced within Louis Street with soil samples collected from depths of 3 to 5 ft bgs and 6 to 8 ft bgs. Each soil sample was submitted for PCBs and TPH analysis. Results of the PCB analysis indicated concentrations ranging from non-detect to 1,933 mg/kg at the Louis Street property and from 3 mg/kg to 66 mg/kg at the Cypher Street property.
- Energy International: Surficial soil samples were collected from 0 to 1 ft bgs from 35 locations, in approximate 50-ft grids within the Energy International property. Samples were collected from each location for PCB analysis, with 25 of the samples also analyzed for TPH (or EPH). At 29 of the sampling locations, soil samples were collected from 1 to 2 ft bgs and at 15 locations soil samples were also collected from 2 to 3 ft bgs. Each sample was submitted for PCB analysis, with 23 of the samples also submitted for TPH analysis. Results of the PCB analysis indicated concentrations ranging from non-detect to 407 mg/kg.
- Cypher Street/MassPort property: Surficial soil samples were collected from 0 to 1 ft bgs from 10 locations in Cypher Street and five locations on the MassPort property, in approximate 50-ft grids. Samples were collected from each location for PCB analysis. Four of the samples collected from within the MassPort property were also analyzed for TPH. Results of the PCB analysis indicated concentrations ranging from non-detect to 0.56 mg/kg on Cypher Street, and from non-detect to 1.3 mg/kg on the Massport property.
- Casey and Hayes property: Surficial soil samples were collected from 0 to 1 ft bgs from four locations in the Casey and Hayes property, in approximate 50-ft grids. Samples were collected from each location for PCB analysis. Results of the PCB analysis indicated concentrations ranging from non-detect to 1.45 mg/kg.

2.1.5 Biannual Well Sampling

As described in Section 1.3.2 above, WSEI submitted a Monitoring and Maintenance (M&M) Plan to EPA on behalf of the BRA to monitor the potential migration of PCBs from the TSCA Site. WSEI conducted three groundwater sampling events and submitted groundwater monitoring data reports to MassDEP and EPA in July 2001, March 2002, and January 2003.

Haley & Aldrich began groundwater sampling for PCBs in April 2004 and has conducted sampling on a biannual basis from April 2004 through May 2016. One unfiltered sample and one field filtered sample (using a 0.45-micron filter) is collected from monitoring wells 272-B08/W08, 272-B05/W05, 272-B01/W01A, 271-B01/W01A, 221-B01/W01, 274-B02/W02A, and CST-B11/W09. Groundwater is purged from each monitoring well using a peristaltic pump and dedicated HDPE tubing. In general, groundwater parameters including pH, temperature, turbidity, conductivity, salinity, and oxidation/reduction potential are measured to confirm that a sufficient volume of groundwater has been removed and that conditions have stabilized within the well.

The results of this groundwater sampling, along with the laboratory reports and groundwater sampling records, have been submitted to MassDEP and EPA in biannual Maintenance and Monitoring Reports. Locations of the monitoring wells are shown on Figure 6.

In general, since Haley & Aldrich started the groundwater sampling in 2004, PCBs were either not detected above laboratory reporting limits in the filtered or unfiltered samples, or low concentrations (less than 3.45 ug/L) of PCBs were detected in unfiltered samples only. Given the comparison to concentrations detected in filtered versus unfiltered samples over 10 years of data, we have concluded that the concentrations of PCBs in unfiltered samples are due to the presence of PCBs as part of the suspended solids (turbidity) of the sample and are not representative of PCBs dissolved in groundwater. Accordingly, the results of groundwater sampling indicate that PCBs are not present in the dissolved state in groundwater, and that PCBs are not migrating via groundwater flow.

The results of the groundwater sampling from the biannual PCB groundwater sampling program have been provided to EPA and MassDEP in semi-annual Status Reports, and are summarized in Table I.

2.1.6 Haley & Aldrich, TSCA Precharacterization (2010-2015)

Haley & Aldrich has considerable knowledge of the TSCA Site from our over 15-year involvement in the BCEC project, and our review of the historical work conducted at the TSCA Site by WSEI and other consultants. Based on our understanding of the limits of the TSCA Site, Haley & Aldrich conducted four extensive subsurface exploration programs at the TSCA Site between 2010 and 2015 to delineate the nature and extent of PCBs and other contamination. The comprehensive TSCA soil characterization program was designed with modifications to the TSCA-prescribed Self-Implementing sampling frequency as allowed by 40 CFR 761.61(c), in consideration of the large size of the TSCA Site, the nature of the release, and the distribution of highest PCB detections primarily within three distinct areas.

As discussed with EPA, based on review of the existing data and assuming that the data collected to characterize the extent of PCB contamination are consistent with the lateral extent of previously collected data and known areas of PCB releases, we concluded that the TSCA Site would be considered adequately characterized for PCBs if characterization was conducted as follows:

- Collect PCB data on 30 ft by 30 ft sampling grids where elevated PCB concentrations were known to exist or were likely to exist based on historical data and the known limits of the former SAK Site.

- Collect one soil sample from the existing ground surface (ranging from El. 22 to El. 16) to the top of the EM-1 cap or the former ground surface in areas where the EM-1 Cap was not present (estimated to be approximately EL. 17). This material consists of soil that was primarily generated from Phase 1 of the overall BCEC Site.

- Collect soil samples at two-foot intervals from the top of the EM-1 Cap or former ground surface in areas where the EM-1 Cap was not present (conservatively estimated to be

approximately EL. 17) to the top of naturally-deposited soils (i.e., through the fill material) or the anticipated depth of PCB impacts based on laboratory data.

- Analyze the samples for PCBs using manual soxhlet extraction and EPA Method 8082.

Haley & Aldrich field representatives observed the advancement of the test borings and direct push probes, and installation of the monitoring wells. Continuous soil sampling was performed in each test boring or direct push probe and screened for volatile organic compounds (VOCs) using a photoionization detector (PID) with a 10.6 or 11.7 eVolt lamp. The termination depth for each test boring was determined based on the estimated depth of contamination, PID readings, geology, and the intent of the exploration.

A copy of the Test Boring Reports, Direct Push Probe Logs, and Monitoring Well Installation Reports completed by Haley & Aldrich are provided in Appendix B. Locations of the explorations are shown on Figure 4, Site and Subsurface Exploration Location Plan.

2.1.6.1 Haley & Aldrich, TSCA Precharacterization (2010-2011)

Between May 2010 and January 2011 Haley & Aldrich conducted two subsurface exploration programs to assess the extent of soil and groundwater contamination at the TSCA Site. A total of 201 test borings were conducted at the TSCA Site. Monitoring wells were installed in 15 of the completed test borings.

- **Environmental Test Borings** - One hundred ninety-three (193) test borings were advanced through fill soils to the approximate top of the underlying naturally deposited soils to collect environmental soil samples to characterize TSCA Site soils. The depth of test borings ranged from 6.5 to 30 ft below existing ground surface (bgs), with an average depth of approximately 20 ft bgs.

- **Geotechnical/Environmental Test Borings** - Eight (8) geotechnical/environmental test borings were advanced into bedrock to obtain Site-specific geotechnical information for use in planning and design of the formerly planned expansion of the BCEC, and to collect environmental soil samples to characterize TSCA Site soils. The depth of test borings ranged from 68.5 to 94 feet (ft) below ground surface (bgs). Approximately 20 ft of rock core sample was collected at each of the geotechnical/environmental test borings.

- **Groundwater Monitoring Wells** - Fifteen (15) monitoring wells were installed in selected completed test boring exploration locations to collect hydrologic information and groundwater quality data. Monitoring wells were typically screened across the water table.

A total of 1,777 soil samples were analyzed for PCBs using manual soxhlet extraction and EPA Method 8082. In addition, 358 soil samples were analyzed for one or more of the following: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbons (EPH), volatile petroleum hydrocarbons (VPH), metals, and waste characteristics (corrosivity, ignitablity, reactivity). Toxicity characteristic leaching procedure (TCLP) testing was conducted on samples exhibiting metals concentrations greater than 20 times (20x) the applicable RCRA standard.

Two rounds of groundwater sampling were conducted in October 2010 and February through April of 2011. Groundwater samples were collected and submitted to Groundwater Analytical Laboratory (GWA) of Buzzards Bay, Massachusetts for chemical analysis of one or more of the following: VOCs, SVOCs, EPH with target analytes, VPH, PCBs, and MCP 14 metals. Results of the laboratory analysis indicated low levels of VOCs, SVOCs, EPH, VPH, and metals were present in several of the groundwater samples collected. PCBs were detected in unfiltered groundwater samples at concentrations of 6.8 and 3.5 ug/L in two of the nine monitoring wells sampled for PCBs. As indicated above, given the comparison to concentrations detected in filtered vs unfiltered samples in the biannual M&M sampling, we have concluded that the concentrations of PCBs in unfiltered samples are due to the presence of PCBs as part of the suspended solids (turbidity) of the sample and are not indicative of PCBs dissolved in groundwater.

2.1.6.2 Haley & Aldrich, Supplemental TSCA Precharacterization (2015)

Between January and March 2015 and between November and December 2015, Haley & Aldrich conducted two supplemental subsurface exploration programs to further assess the extent of PCB contamination at the TSCA Site and to characterize soils for future offsite disposal. A total of 204 subsurface explorations were conducted at the TSCA Site. Subsurface explorations were generally advanced from the top of the EM-1 Cap or former ground surface to approximately El. 10.

A total of 650 soil samples were analyzed for PCBs using manual soxhlet extraction and EPA Method 8082. In addition, 114 soil samples were analyzed for one or more of the following: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbons (EPH), volatile petroleum hydrocarbons (VPH), metals, and waste characteristics (corrosivity, ignitablity, reactivity). Toxicity characteristic leaching procedure (TCLP) testing was conducted on samples exhibiting metals concentrations greater than 20 times (20x) the applicable RCRA standard.

A summary of the groundwater and soil quality data obtained during the 2010/2011 and 2015 soil characterization programs are attached as Tables II and III, respectively. A copy of the laboratory data reports from the 2010/2011 soil and groundwater sampling program were previously provided to EPA and MassDEP. Copies of the laboratory data reports from the 2015 soil sampling programs are included in Appendix C.

2.2 GEOLOGIC SITE CHARACTERISTICS

The subsurface exploration programs indicate a complex geologic history at the TSCA Site resulting in stratigraphic units of varying depths and thicknesses, as well as areas where one or more stratigraphic units may not be present.

2.2.1 Soil Types

Based on the subsurface conditions encountered across the TSCA Site, the following major soil units (in order of increasing depth below ground surface) were encountered:

- Fill
  - *Parking Area Backfill*
  - *Historic Urban Fill*
  - *Hydraulic Fill*

- Organic Deposits
- Marine Deposits
- Glacial Deposits
- Bedrock

One or more of the soil (overburden) units may be absent at any specific location. Subsurface soil profiles were generated based on the Haley & Aldrich subsurface explorations and groundwater monitoring well installation reports. The subsurface exploration locations are shown on Figure 4 and the subsurface profiles are shown on Figure 7. A generalized description of each stratigraphic unit is provided below:

- Fill
  - *Parking Area Backfill* – The Phase 2 area was used as a soil stockpile and construction staging area for the Phase 1 BCEC construction between 2000 and 2004. In 2005, excess historic fill generated from construction of Phase 1 of the BCEC was used to establish the existing grades for the South Lot. For the purposes of Site description and soil management, we have labelled the fill below the surface pavement and the EM-1 Cap as Parking Area Backfill.

    The bituminous asphalt EM-1 Cap was encountered at the majority of the subsurface exploration locations in the central and southern portion of the Site, below the Parking Area Backfill. The EM-1 Cap asphalt layer, where encountered, was typically observed at 3 to 5 ft below the existing ground surface, and varied in thickness from 0.2 to 1.8 ft. The remaining subsurface explorations were conducted in unpaved areas of the parking lot where an approximate 0.3 to 0.6 ft layer of crushed stone material was present at the ground surface, or in paved areas along New Cypher Street.

  - *Historic Urban Fill* **-** Historically placed Urban Fill material (i.e., at the former ground surface prior to construction of the existing parking area) typically consisted of a silty sand to sandy silt material, with varying amounts of silt, sand, gravel, cobbles, and intermixed with debris, bricks, cobbles, granite blocks, ash, wood, cinders, concrete, ceramics, and other miscellaneous materials. Layers of gravel, debris, and rubble fill were observed within the Historic Urban Fill material in varying thicknesses at several subsurface exploration locations.

  - *Hydraulic Fill* - A layer of Hydraulic Fill material was typically encountered below the Historic Urban Fill soils. The Hydraulic Fill was generated from dredging activities in Boston harbor and consisted of a gray to brown organic soil, with varying amounts of sand, clay, silt, wood, peat, organic fibers, and shells.

    The thickness of the Fill materials placed at the TSCA Site ranges from 6 to 25 ft bgs.

- Organic Deposits - Organic Deposits were encountered below the Fill in the majority of the subsurface explorations. This deposit consists of very soft to soft organic silt or peat with trace amounts of sand. The thickness of the deposit ranged from 4 to 17 ft thick where fully penetrated.

- Marine Deposits - Several of the deeper subsurface explorations encountered Marine Deposits beneath the organic deposit, consisting primarily of very soft to hard gray to brown lean clay with traces of silt, sand, and gravel. The Marine Deposits, where fully penetrated in the test borings, ranged in thickness from 3 to 18 ft.

- Glacial Deposits - Glaciomarine/Glacial Till Deposits were encountered in several of the deeper subsurface explorations, encountered beneath the Marine Deposits. The Glacial Deposits typically consisted of stiff to hard lean clay with varying amounts of sand and gravel, medium dense to very dense silt with varying amounts of sand and gravel, and medium dense to very dense silty sand with gravel. The thickness of the deposit ranged from 15 to 26 ft thick where fully penetrated.

- Bedrock - Bedrock was cored in eight of the subsurface explorations starting at depths ranging from 48 to 73 ft below existing ground surface. The bedrock core samples are described as moderately hard to hard, fresh, gray, fine-grained aphanitic Argillite.

2.2.2 Stratigraphy

As indicated above, the general stratigraphy at the TSCA Site consists of a various layers of Fill material underlain by successively deeper layers of naturally deposited Organic Deposits, Marine Deposits, Glaciomarine/Glacial Till Deposits, and Bedrock, as shown on Figure 7. The stratigraphy is typically consistent across the TSCA Site, with the exception of the non-contiguous EM-1 Cap which is generally only located in the southern and central portion of the TSCA Site.

This information and general stratigraphy is consistent with the geologic history of the area wherein glacial advancement and possibly re-advancement was followed by one or more periods of sea-level rise that submerged low-lying areas in the Boston basin.

2.2.3 Groundwater Conditions

Groundwater throughout most of the TSCA Site is located within the Fill material. Groundwater elevations measured within or adjacent to the EM-1 Cap between May 2013 and May 2016 range from El. 13.6 to 2.7 BCB (4.0 to 14.3 ft bgs), with elevations generally averaging around El. 9 to 7. The groundwater elevations as measured between May 2013 and May 2016 indicate a general groundwater flow direction from the east toward west (Figure 8), consistent with groundwater flows measured throughout the area west of C Street in October 2010, and February and April 2011.

The results of the water level readings indicate that a perched water table is present at the Site, and that groundwater accumulates above the relatively low permeability, fine-grained cohesive and/or organic Fill located at a shallow depth below the more permeable granular fill. It is expected that regional flow directions of the perched system are dependent on the amount of building and pavement area present locally, proximity of utilities, soil conditions, proximity to Fort Point, Reserved, and Boston Main Channels , and other factors. As such, directions of groundwater flow are likely to be variable.

3. Applicability and Notification Under 40 CFR 761

According to 40 CFR 761.3, *PCB remediation waste* means waste containing PCBs as a result of a spill, release, or other unauthorized disposal, at the following concentrations:

- materials disposed of prior to April 18, 1978, that are currently at concentrations ≥50 ppm (parts per million) PCBs, regardless of the concentration of the original spill;
- materials which are currently at any volume or concentration where the original source was ≥500 ppm PCBs beginning on April 18, 1978, or ≥50 ppm PCBs beginning on July 2, 1979; and
- materials which are currently at any concentration if the PCBs are spilled or released from a source not authorized for use under this part.

PCB remediation waste means soil, rags, and other debris generated as a result of any PCB spill cleanup, including, but not limited to: environmental media containing PCBs, such as soil and gravel; dredged materials, such as sediments, settled sediment fines, and aqueous decantate from sediment.

3.1 TSCA REGULATED PCBS

The majority of the historic PCB-related release is present in the Historic Urban Fill soils located below the EM-1 Cap area, specifically corresponding with the portion of the TSCA Site identified where operations were conducted by the former Boston Junk/SAK Recycling facility. Further, accidental releases of PCBs resulting from transportation of transformers on property adjacent to the former SAK property have been confirmed and are considered a source of the PCB and Historic Urban Fill contamination.

The central and southern portions of the TSCA Site under the EM-1 Cap appear to contain the most elevated concentrations of PCBs from the former ground surface (El. 15 to 17) to approximate El. 8 (about 7 to 9 ft below the former ground surface). Lesser concentrations of PCBs were detected in the Historic Urban Fill soils down to approximately El. -10. The vertical and horizontal limits of PCBs at the TSCA Site appear consistent with the historic use of this area and the historic documentation reviewed.

Based on the historic use of the TSCA Site and the concentrations of PCBs detected in soil, our current understanding of the portion of the BCEC Phase 2 area that is subject to regulation under 40 CFR 761 is defined:

- laterally by PCBs that are present at concentrations greater than or equal to 1 mg/kg within the former Boston Junk/SAK Site and a portion of the adjacent former Energy International property, and
- vertically below the ground surface that existed at the completion of EM-1 Cap (either at the bottom of the EM-1 Cap or El. 17 if no Cap is present).

More specifically, the TSCA regulated area extends laterally to the southwest up to the BCEC property limits, to the southeast by C Street or the former buildings located on the west side of C

Street, to the northeast by the BCEC Phase 1 limits (with the exception of approximately 10,350 sf of BCEC Phase 1 in the vicinity of the "PCB Hot Spot" identified during BCEC Phase 1 construction), and northwest up to the Right of Way remediation conducted by the MassDOT in 1992 for the Central Artery (I-93)/Tunnel (I-90) Project (CA/T) in preparation for the construction of the South Boston Bypass Road. These limits are shown on Figure 4.

Although PCBs were detected at concentrations greater than 1 mg/kg (but less than 50 mg/kg) at the southern property line along New Cypher Street, additional characterization is not planned beyond the property line to the south as the MCCA is not liable for the release from the SAK Site as determined by the Massachusetts Supreme Judicial Court Decision in the case of The Commonwealth & Others v Boston Edison Company & Others, decided on 25 May 2005. Specifically, the MCCA is not liable as owner or operator of the Site within the meaning of M.G.L.c.21E, s. 5 (a) (1) and (2), where the legislation giving rise to the BRA's and MCCA's association with this area explicitly excluded them from the definition of "owner or operator" for any pollution occurring before they acquired ownership of the BCEC Site. Nor is the MCCA liable as a person who otherwise caused or was legally responsible for a release of hazardous materials at the Site within the meaning of M.G.L.c.21E, s.5(a)(5).

Based on the results of the TSCA characterization program, the TSCA regulated area as currently understood generally consists of an approximately 296,700 sq ft (7± acre) area. The limits of the TSCA-regulated area are shown on Figure 4.

3.2 OTHER PCBS

The Phase 2 area was used as a temporary soil staging area during construction of the existing BCEC building. Approximately 250,000 cy of Fill material excavated from Phase 1 was temporarily stockpiled above the EM-1 cap and former ground surface in Phase 2. The majority of the Phase 1 Fill stockpiled on Phase 2 was characterized and removed during construction of the BCEC; however, approximately 25,000 cy of excess Phase 1 Fill material (Parking Area Backfill) was used to raise the grade of the Phase 2 area to create the existing parking lot in Phase 2. The Parking Area Backfill contains very low levels of PCBs (where detected, at generally less than 10 ppm) that, in our opinion, were not due to a TSCA regulated release. As demonstrated below, the PCBs detected in the Parking Area Backfill are consistent with PCBs detected in Historic Urban Fill material in BCEC Phase 1 and with PCBs detected in several other properties in this area of South Boston, none of which were subject to TSCA regulation. In addition, the average concentration of PCBs in the Parking Area Backfill is approximately 1.3 mg/kg, well below Site-specific risk thresholds for the BCEC.

As requested by EPA, Haley & Aldrich conducted a comprehensive review of historical information to document that the PCB impacts in the Parking Area Backfill generated from Phase 1 and placed on top of the EM-1 Cap between 2001 and 2004, then graded to establish existing grades in 2005, are not subject to regulation under TSCA. Information reviewed included records from an electronic database service (Environmental Data Resources (EDR)), Sanborn Maps, aerial photographs, environmental data reports, available regulatory documents, and other available information on the Phase 1 Site and surrounding area.

3.2.1 Sanborn Maps and Aerial Photographs

The Phase 1 portion of the BCEC is in an area identified as the South Boston Flats, which were originally tidelands of Boston Harbor. The Phase 1 area encompasses approximately 40 acres of relatively flat land. It was created by various stages of filling conducted between the mid-to-late 1880's through 1900. In its most recent past, the western one-third of the Phase 1 Site contained a rail yard and industrial buildings. The remaining two-thirds consisted of single to multi-story industrial and commercial buildings.

According to Sanborn Maps and aerial photographs, the BCEC Phase 1 Site was historically composed of numerous parcels which were used for industrial and commercial purposes for over 100 years. Historical use of the BCEC Phase 1 Site included the Boston Market Terminal which primarily consisted of railroad tracks, truck parking, and food storage warehouses; gas stations; vehicle storage, service and repair; a bindery; a plumbing supply house; a paint warehouse; furniture storage; and a steel and iron warehouse. The Phase 1 portion of the BCEC property currently consists of the Boston Convention & Exhibition Center building. With the exception of the historical use of the BCEC Phase 1 Site as a rail yard and a small paint storage warehouse, the Phase 1 Site history does not indicate a potential for significant PCB releases to have occurred.

3.2.2 Characterization of Parking Area Backfill

As part of the TSCA Site precharacterization program to support the future BCEC expansion into Phase 2 (now on hold) and to delineate the extent of PCBs from the historic SAK Site release, Haley & Aldrich collected 134 soil samples for chemical analysis of PCBs from the Parking Area Backfill generated from BCEC Phase 1 and placed above the EM-1 cap and the former ground surface. The results of the soil samples collected from the Parking Area Backfill detected contaminants consistent with contamination encountered in Phase 1 of the BCEC, including low levels of PCBs (generally less than 10 ppm, where detected, and with an average concentration of 1.3 mg/kg). In our opinion, the low levels of PCBs detected in the Parking Area Backfill above the EM-1 cap and the former ground surface are not subject to regulation under TSCA since these materials were generated from Phase 1 of the BCEC, where TSCA regulated soils were not previously identified. Information regarding other Phase 1 site characterization and Fill soils testing are discussed in Section 3.2.3.

It should be noted that only four out of the 134 soil samples collected from the Parking Area Backfill contained a total PCB concentration greater than 10 ppm. Samples F7_S1_0-4.4, L12_S1_0-4.5, O17_S1_0.5-1.3, and Q15_S1_0.5-7.5 detected PCBs at 11.9 mg/kg, 14.7 mg/kg, 47 mg/kg, and 14 mg/kg respectively). A discussion of each of these samples is provided below.

- Soil sample F7_S1_0-4.4 was collected from test boring F7 and detected PCBs at a concentration of 14.7 mg/kg. A review of the test boring log associated with sample F7_S1_0-4.4 indicates that the EM-1 Cap was not observed in this test boring; therefore, the field geologist approximated the former ground surface at grid F7 at El. 14. A review of test borings surrounding F7 (borings E7, E8, F8, G7, and G8) observed the EM-1 Cap between El. 16.9 and 14.6 (0.6 to 2.9 ft higher than at boring F7). In our opinion, it is likely that soil sample F7_S1_0-4.4 was collected from soil both above and below the EM-1 Cap. However, to be conservative, soil within grid F7 will be managed as TSCA remediation waste starting at the existing ground surface if excavation should be required at some point in the future.

- Soil sample L12_S1_0-4.5 was collected from test boring L12 and detected PCBs at a concentration of 11.9 mg/kg. A review of the test boring log associated with sample L12_S1_0-4.5 indicates that asphalt was observed at El. 15.3, below approximately 1.3 ft of "cobbles." A review of test borings surrounding L12 and located within the limits of the EM-1 Cap (borings K11, K12, K13, L13, M12, and M13) observed the EM-1 Cap between El. 17.5 and 16.2 (0.9 to 2.3 ft higher than at boring L12). It is likely that the EM-1 Cap is present at the top of the "cobbles" around El. 16.6, consistent with the surrounding test borings. In our opinion, soil sample L12_S1_0-4.5 was collected from soil both above and below the EM-1 Cap. However, to be conservative, soil within grid L12 will be managed as TSCA remediation waste starting at the existing ground surface if excavation should be required at some point in the future.

- Soil sample O17_S1_0.5-1.3 was collected from test boring O17 and detected PCBs at a concentration of 46 mg/kg. A review of the test boring log associated with samples O17_S1_0.5-1.3 indicates that the sample was collected from soil above the EM-1 cap. The source of the PCBs is not known. Soil within grid O17 will be managed as TSCA remediation waste starting at the existing ground surface.

- Soil sample Q15_S1_0.5-7.5 was collected from test boring Q15 and detected PCBs at a concentration of 14 mg/kg. A review of the test boring log associated with sample Q15_S1_0.5-7.5 indicates that the EM-1 Cap was not observed in this test boring. Further review of the test boring log also indicates that the field geologist misidentified the former ground surface as being the transition from Historic Urban Fill to Hydraulic Fill at El. 10.5. It is likely that the former ground surface was at approximately El. 16, where approximately 0.8 ft of "rubble fill" was identified overlying approximately 5.5 ft of Historic Urban Fill. Additionally, El. 10.5 is very close to the water table which, combined with the geotechnical characteristics of the Hydraulic Fill (i.e., soft, clayey soil), could not be used as a ground surface. Based on a review of the test boring log for Q15, we concluded that soil sample Q15_S1_0.5-7.5 was collected from soil both above and below the former ground surface. However, to be conservative, soil within grid Q15 will be managed as TSCA remediation waste starting at the existing ground surface if excavation should be required at some point in the future.

The results of soil samples collected from the Parking Area Backfill soils and placed above the EM-1 Cap and the former ground surface are summarized in Table IV and depicted in Figure 9.

3.2.3 Electronic Database and Other Available Information

3.2.3.1 WSEI Final Comprehensive Site Characterization (CSC) Report

Under enabling legislation for the BCEC Project, property within the BCEC project limits was acquired and made ready for development by the BRA. The BRA retained WSEI to conduct a Comprehensive Site Characterization (CSC) study of the entire BCEC Site (both Phases 1 and 2) in support of parcel acquisition. The CSC study was designed to evaluate the nature and extent of oil and hazardous materials on the BCEC Site's 57 individual parcels. WSEI performed four phases of subsurface investigations from August 1998 through March 2000. In addition to the CSC sampling performed by WSEI, soil samples were also collected by Ogden Environmental & Energy Services (Ogden) on behalf of CSX Transportation, Inc. (CSX) from an area located at the northwest end of

Phase 1. These samples were collected as part of a settlement agreement between the parcel owner/operator (CSX) and the BRA.

The results of the CSC study indicate that chemical constituents such as polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons, metals, PCBs, and to a lesser extent, volatile organic compounds (VOCs), have been identified in the Historic Urban Fill at the BCEC Site. WSEI's Site characterization included the collection and analytical testing of approximately 300 soil samples from test borings, test pits, and UST removals in Phase 1. PCBs were detected in soil samples ranging from 0.025 ppm to 3.6 ppm across the Phase 1 Site, excluding a detection of Aroclor 1260 of 1,800 ppm on the border of the Phase 1 and Phase 2 areas (the PCB Hot-Spot). During a re-design of the BCEC Phase 1 building, the limits of Phase 1 were shifted approximately 90 ft to the northeast (toward the existing BCEC building) resulting in the PCB Hot-Spot being located within the limits of Phase 2 and within the currently designated TSCA Site. A source of PCB contamination in Phase 1 was not identified in the WSEI CSC.

The results of soil samples collected in Phase 1 of the BCEC during the WSEI CSC are summarized in Table V.

3.2.3.2 Haley & Aldrich Construction Release Abatement Measure and Associated Documents for RTN 3-16230

Haley & Aldrich reviewed information contained in the Construction RAM Plan, RAM Status Reports, and RAM Completion Report for Release Tracking Number (RTN) 3-16230, assigned to Phase 1 of the BCEC Site by MassDEP. In addition, Haley & Aldrich reviewed the Class A-3 Response Action Outcome (RAO) Statement for RTN 3-16230, dated December 2008.

As documented in the Construction Release Abatement Measure (RAM), RAM Status Reports, RAM Completion Report, and Response Action Outcome (RAO) Statement for Phase 1 BCEC (RTN 3-16230), low levels of PCBs were detected in soils generated during construction of the existing BCEC Phase 1 building. Approximately 250,000 cy of excavated material generated from construction of the BCEC building which could not be reused on site was stockpiled in a staging area on the Phase 2 portion of the Site and sampled prior to off-site disposal. The stockpiled soil was divided into approximately 500 cy cells to obtain representative data of the material and 488 soil samples were collected for off-site disposal of approximately 225,000 cy of the stockpiled soil. Of the 488 soil samples, 452 soil samples were analyzed for PCBs. Of the 452 PCB soil samples, 241 soil samples did not detect PCBs greater than the laboratory reporting limit, 184 soil samples detected PCBs above the laboratory reporting limit but less than 1 mg/kg, 25 soil samples exhibited PCBs between 1 and 10 mg/kg, and only two soil samples exhibited PCBs greater than 10 mg/kg (16.89 and 76.6 mg/kg).

Although one of the 452 soil stockpile samples collected from soil generated during construction of the BCEC Phase 1 building and analyzed for PCBs detected PCBs greater than 50 mg/kg (representing approximately 0.2 percent of all stockpile soil tested from Phase 1), our review of historical records for the Phase 1 portion of the BCEC has not identified sources for releases of PCBs to the Phase 1 soils or the presence of TSCA sites. Additionally, twenty separate RTN's were issued by MassDEP during the parcel acquisition phase and during construction of Phase 1 of the BCEC. These RTNs addressed urban fill (metals, PAHs, TPH) and/or petroleum releases. None of the twenty RTNs identified during parcel acquisition or during construction encountered PCBs above the MassDEP RCS-1 Reportable Concentration of 2 mg/kg. Prior to parcel acquisition, six existing RTNs were

associated with Phase 1 of the BCEC and none of the six RTNs addressed PCBs. No leaking transformers or other potential PCB-containing equipment were identified during demolition of existing buildings or construction of the building.

The results of soil samples collected in from stockpiles of Phase 1 soil during construction of the BCEC are summarized in Table VI.

3.2.3.3 Environmental Data Resources Database Report and Document Reviews

Haley & Aldrich reviewed an EDR Report to evaluate releases of oil and/or hazardous materials at MCP Disposal Sites within and around the BCEC. The EDR report indicated that there were no National Priority List (NPL) Sites, proposed NPL Sites, or Delisted NPL Sites within one mile of the BCEC. There were two Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites and six CERLIS No Further Remedial Action Planned (NFRAP) Sites located with ½ mile of the BCEC Project Site. Finally, only one RCRA Corrective Action (CORRACTS) Sites within 1 mile of the BCEC Project site. Limited information was available in the EDR Report regarding these releases, and online searches did not provide additional detail.

Haley & Aldrich also reviewed several RTNs in the vicinity of the BCEC Site. PCBs were detected at several Disposal Sites at low levels and were generally attributed to the quality of the Historic Urban Fill. PCBs were detected between 1 and 66.9 mg/kg, with most Disposal Sites have a maximum PCB concentration of less than 10 mg/kg. The PCBs detected at these Disposal Sites were associated with the quality of the Historic Urban Fill by the consultant performing the work. RTNs detecting PCBs in soil within ½ mile of the BCEC Phase 1 Site include but are not limited to:

RTN	Location	Max PCB Concentration
3-14810	371-401 D Street	3.8 mg/kg
3-3124/3-16782	310-312 Northern Ave	38.9 mg/kg
3-31115	380 E Street	0.06 mg/kg
NA	460 E Street	0.113 mg/kg
3-1918/3-31101	A Street	0.0397 mg/kg
3-31092	Pier 4	0.09 mg/kg
3-31799	Parcel H, Fan Pier	66.9 mg/kg
3-31818	Parcel I, Fan Pier	3.68 mg/kg
3-32153	100-104 Northern Ave	3 mg/kg
3-19647	Northern Ave	2.06 mg/kg
3-30038	Parcel B, Fan Pier	7 mg/kg

As shown above, PCBs are consistently present in Historic Urban Fill material in this area of South Boston. Releases of PCBs that may be regulated under TSCA were not identified for the Disposal Sites reviewed. The detection of low levels of PCBs in the Historic Urban Fill material in surrounding properties supports the hypothesis that low-levels of PCBs are generally a constituent of urban fill material in the Seaport District of South Boston and are not the result of PCB releases that should be regulated under TSCA.

3.2.4 Summary of Risk Characterization for Parking Lot Backfill

As described in Section 4.3, the Parking Area Backfill is planned for reuse as backfill material in the excavation following removal of TSCA PCBs planned for off-site disposal. This soil also represents the layer of soil that is nearest to the ground surface. Therefore, the Human Health Risk Assessment (Appendix D) assumed that commercial workers, visitors, and construction and utility workers could be potentially exposed to Parking Area Backfill during hypothetical future activities that expose the soil.

In accordance with the National Contingency Plan (NCP), cancer risk estimates for a site are compared to an ELCR range of 10-6 (one in a million) to 10-4 (one in ten-thousand). Risks at or below 10-6 do not warrant a response action, risks greater than 10-4 generally warrant a response action, and the decision to require a response action for risks that are between 10-6 and 10-4 is a risk management decision that is made by USEPA. Non-cancer risks are compared to a HI value of 1, which corresponds to levels of exposure that people (including sensitive individuals such as children) could experience without expected adverse effects.

The HHRA evaluated an adult commercial worker who is assumed to contact soil every work day (250 days per year) over a 25-year period, as well as visitors from birth to age 26 who are assumed to contact soil twice per week during the spring, summer, and fall. These exposures are conservative (protective) for a construction worker who might be in earthwork and other activities. The results of the HHRA indicate that, for workers and visitors, the Parking Area Backfill does not pose risks in excess of EPA risk management thresholds.

3.2.5 Summary and Conclusions

Based on the information provided above, it is our opinion that the low levels PCBs in the Parking Area Backfill above the EM-1 Cap are associated with the overall quality of the Historic Urban Fill material and consistent with the industrial historical usage of this area of South Boston. PCBs were detected at low levels in the Historic Urban Fill at properties surrounding the BCEC property; however, no specific PCB releases have been documented in BCEC Phase 1 or the surrounding properties (with the exception of the Boston Junk/SAK Site). The distribution of PCB sample results is similar between the in-situ soil samples collected during WSEI's CSC, the soil samples collected from stockpiles of Phase 1 soils during construction of the BCEC, and the soil samples collected in-situ from the Parking Area Backfill placed over the EM-1 Cap and former ground surface, as shown in Table VII.

The contaminants detected are considered typical of non-point source, Historic Urban Fill present in the Seaport District of South Boston and are generally attributed to historical usage. The BCEC Phase 1 Site history and usage indicates limited potential for PCB use does not indicate a potential for significant PCB releases to have occurred.

It is our opinion that the low-levels of PCB-impacted soils encountered in the Parking Area Backfill used as backfill above the EM-1 cap are not considered part of the TSCA Site. It is the intent of this TSCA Work Plan to use Parking Area Backfill as backfill material over the more contaminated soils that will remain in place following TSCA remediation. The data provided above indicate that the Parking Area Backfill is consistent with soils generated from Phase 1 of the BCEC, and similar to Historic Urban Fill throughout the Seaport District of South Boston. Given the low concentration of

PCBs (average of 1.3 mg/kg) in the Parking Area Backfill, the lack of a specific release of PCBs to the Parking Area Backfill, and the results of the HHRA that indicate no unreasonable risk of injury to site-specific receptors for exposure to the Parking Area Backfill, following remediation, potential construction activities (none are currently planned) that may be required within the Parking Area Backfill should not be subject to the rigorous TSCA decontamination requirements. Future construction over the Parking Area Backfill will be managed in accordance with the MCP, 310 CMR 40.0000. A Health & Safety Plan will be prepared by the Contractor that will address the site-specific contaminants.

This document serves as the "notification" required by 40 CFR 761.61(a)(3). The nature and extent of contamination and sampling procedures are summarized below.

3.3 NATURE OF CONTAMINATION

The discussion of the source and extent of oil and hazardous materials at the TSCA Site is based on the cumulative information obtained from historical research, subsurface explorations, groundwater elevations, and chemical analyses of selected soil and groundwater samples.

As indicated above, a portion of the BCEC Phase 2 area located at 14 Louis Street and Cypher Street was operated as The Boston Junk Company and was owned by Louis Freedman from 1947 to 1985. SAK Recycling Corporation bought this property in 1992, and continued to use the property as a junkyard until 1996, when it was ordered by MassDEP to cease activities at the property. During these operations, unknown quantities and types of oils and hazardous materials (OHM) were stored and/or used at the SAK Site. The OHM stored at the SAK Site and the historical Site usages are known to have impacted the TSCA Site.

Although specific releases at the SAK Site have not been documented, records of various incidents have been recorded by previous consultants and regulators relating to the SAK Site activities, dating back to 1982. Incidents were reported to have included: "observation of transformers and debris on property as well as adjacent properties, identification of strong odors, several fires, disassembly of transformers by blowtorch, and sampling of soil and leaking capacitors which contained 96-100% PCBs." Several investigations conducted by various environmental consultants at the SAK Site detected the presence of TPH, PCBs, and metals in SAK Site soils.

Elevated concentrations of PCBs have been identified over a portion of the TSCA Site where operations were conducted by the former Boston Junk/SAK Recycling facility and immediately adjacent to the former Boston Junk/SAK Recycling facility. The most elevated concentrations of PCBs were detected in the Historic Urban Fill material at the central and southern portions of the TSCA Site, below the EM-1 Cap area, from the former ground surface to approximate El. 8 (approximately 0 to 14 ft bgs, currently). Although PCBs have been detected below the groundwater table, due to the low solubility of PCBs and as shown by the results of groundwater sampling, PCBs are not present in the dissolved state and are not migrating off-site via groundwater.

3.4 LOCATION AND EXTENT OF CONTAMINATION

3.4.1 Soil

As part of the programs performed by Haley & Aldrich since 2010, a total of 2,427 soil samples have been collected from the TSCA Site and submitted for chemical analysis of PCBs. The results of the laboratory data indicate that:

- PCBs were not detected above laboratory reporting limits for the majority of the samples (57%).
- PCBs were detected at concentrations less than 1 mg/kg in 22% of the samples.
- PCBs were either not detected or were detected at less than 1 mg/kg in approximately 79% of the 2,427 total samples collected.

These and other data regarding PCB results are summarized below.

Number PCB Samples Analyzed:	2,427
Number Samples Non-Detect for PCBs:	1,381
Number Samples Detected PCB≤1:	523
Number Samples Detected PCBs>1 & ≤10:	291
Number Samples Detected PCBs>10 & ≤50:	111
Number Samples Detected PCBs>50 & ≤100:	29
Number Samples Detected PCBs>100:	92

The highest PCB detections are concentrated in the Historic Urban Fill soils located below the EM-1 Cap. The data are consistent with the known release history of the TSCA Site and correspond with the portion of the TSCA Site identified where operations were conducted by the former Boston Junk/SAK Recycling facility. Further, accidental releases of PCBs resulting from transportation of transformers on property adjacent to the former SAK property have been confirmed and are considered a source of the PCB and Historic Urban Fill contamination.

The majority of the PCB impacts are located are located in Historic Urban Fill soils from the former ground surface to approximately El. 8. Lesser concentrations of PCBs were detected in the Historic Urban Fill soils down to approximately El. -10. The vertical and horizontal limits of PCBs at the TSCA Site appear consistent with the historic use of this area and the historic documentation reviewed.

Although the release of PCBs is primarily attributed to activities at the SAK Site, PCBs were also detected at various concentrations in the Parking Area Backfill placed above the former ground surface. As discussed above, there is no known release of PCBs to the Phase 1 soils, and the PCBs are considered to be associated with the quality of the Historic Urban Fill material and consistent with the historical usage of the Phase 1 area and this area of South Boston. These PCB-impacted soils will be managed under the MCP, 310 CMR 40.0000.

Figures 9 through 12 show the distribution of PCB samples collected at the TSCA Site and the ranges of total PCB concentrations detected. A summary of the soil quality data collected from the Historic Urban Fill is provided in Table III. A copy of the laboratory data reports is included in Appendix C.

3.4.2 Groundwater

The Historic Urban Fill is considered to be a source of oil and hazardous materials detected in groundwater at the TSCA Site. In addition, underground and above-ground storage tanks were formerly present at the TSCA Site, all of which were previously removed by WSEI and BRA prior to the transfer of the property to the MCCA. Other sources of potential contamination include former oil/water separators, floor drain outlets, and historic waste management and disposal practices.

As described above, Haley & Aldrich has been conducting a semi-annual groundwater sampling program for PCBs since 2004. PCBs have either not been detected above laboratory reporting limits in the filtered or unfiltered samples, or low concentrations (less than 3.45 ug/L) of PCBs were detected in unfiltered samples only. In addition, during the comprehensive TSCA Site characterization program, PCBs were detected in unfiltered groundwater samples from two of the nine monitoring wells sampled at concentrations of 6.8 and 3.5 ug/L.

Given the comparison to PCB concentrations detected in filtered vs unfiltered samples over 12 years of groundwater monitoring as part of the semi-annual groundwater sampling program, we have concluded that the concentrations of PCBs in unfiltered samples are due to the presence of PCBs as part of the suspended solids (turbidity) of the sample and are not indicative of PCBs dissolved in groundwater. Accordingly, the results of groundwater sampling indicate that PCBs are not present in the dissolved state in groundwater, and that PCBs are not migrating via groundwater flow.

A summary of the groundwater quality data is provided in Tables I and II.

4. Cleanup and Disposal of PCB Remediation Waste

This section presents a cleanup plan for the TSCA-regulated area. In summary, the cleanup plan involves excavation and off-site removal of PCB-contaminated soils to achieve the cleanup levels described herein.

Please note that a Remediation Contractor has not yet been selected to implement the work described herein. A letter will be prepared by the Remediation Contractor, when selected, to provide additional information regarding the means and methods for TSCA Site cleanup activities and excavation sequencing control.

4.1 REMEDIAL GOAL EVALUATION AND JUSTIFICATION FOR 761.61(C)

Under a Self-Implementing Cleanup (761.61(a)) it is presumed that cleanup to the levels specified in 761.3 for High Occupancy Areas (1 to 10 mg/kg) and Low Occupancy Areas (1 to 100 mg/kg) will not pose an unreasonable risk of injury to health or the environment. To evaluate remedial goals in excess of those specified (at 761.3) for High Occupancy Areas and Low Occupancy Areas, a Risk Based Disposal Approach (761.61(c)) must be used and a quantitative risk characterization must be performed to evaluate TSCA Site-specific receptors and exposures pathways.

As described in Section 3.1, the TSCA regulated area as currently understood generally consists of an approximately 296,700 sq ft (7± acre) area in Phase 2 of the BCEC. Consistent with the EPA January 2009 Revisions to the PCB Q&A Manual, the Self-Implementing Cleanup and Disposal procedure was developed for moderately sized sites (approximately one acre), and a Risk Based Approach may be more appropriate for sites larger than one acre. Given the large size of the TSCA Site, Haley & Aldrich evaluated a Risk-Based Cleanup under 761.61(c) that takes into consideration the current and future use of the Phase 2 area as a parking lot. As requested by EPA, the Risk-Based Cleanup (40 CFR 761.61(c)) and its approximate cost is outlined herein, as well as a comparison to the Self-Implementing Cleanup approach (40 CFR 761.61(a)) of removing all soils with PCB concentrations greater than 100 mg/kg.

4.1.1 Evaluation of Self-Implementing Cleanup to 100 mg/kg

4.1.1.1 Summary of Self-Implementing Cleanup Approach and Risk Evaluation

Under a Self-Implementing Cleanup (40 CFR 761.61(a)), it is presumed that cleanup to the levels specified in 761.3 for High Occupancy Areas (1 to 10 mg/kg) and Low Occupancy Areas (1 to 100 mg/kg) will not pose an unreasonable risk of injury to health or the environment.

A ***High Occupancy Area*** is defined by 40 CFR 761.3 as follows:

> "any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste."

Under the Self-Implementing Cleanup approach (40 CFR 761.61(a)), High Occupancy Cleanup Levels for bulk PCB remediation waste are as follows:

- ≤1 ppm "without further conditions".
- >1 ppm and ≤10 ppm if covered with a cap meeting the requirements of 40 CFR 761.61(a)(7) and a deed restriction is implemented as per 40 CFR 761.61(a)(8).

A ***Low Occupancy Area*** is defined by 40 CFR 761.3 as follows:

> "any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste."

Under the Self-Implementing Cleanup approach (40 CFR 761.61(a)), Low Occupancy Cleanup Levels for bulk PCB remediation waste are as follows:

- ≤25 ppm if a deed restriction is implemented as per 40 CFR 761.61(a)(8).
- >25 ppm and ≤50 ppm if the site is secured by a fence and marked with a sign including the M_L mark and a deed restriction is implemented as per 40 CFR 761.61(a)(8).
- >25 ppm and ≤100 ppm if the site is covered with a cap meeting the requirements of 40 CFR 761.61(a)(7) and a deed restriction is implemented as per 40 CFR 761.61(a)(8).

As described in Section 1.4, the current and future foreseeable use of the BCEC Phase 2 area is a controlled access parking lot. There are no current redevelopment plans for the BCEC Phase 2 area. Accordingly, the TSCA Site is currently and will be in the future considered a Low Occupancy Area.

Based on the above information, the Self-Implementing Cleanup approach consists of the removal of soil containing PCB concentrations greater than 100 mg/kg within the TSCA Site. We estimate that approximately 15,900 cy of PCB-impacted soil would be removed from the TSCA Site under the Self-Implementing Cleanup approach. Following remediation, a marker layer would be placed over the excavated areas and the excavated areas would be backfilled with Parking Area Backfill and imported soils to create a subbase for an asphalt cap. An asphalt cap meeting the requirements of 40 CFR 761.61(a)(7) would be placed over residual PCBs in excess of 25 mg/kg within the TSCA Site. The asphalt cap would match surrounding Site grades and would serve as the parking lot surface.

4.1.1.2 Confirmatory Samples

For this approach, confirmatory soil samples would not be collected in areas where soil has been previously characterized to less than 100 mg/kg. In areas where soil characterization data did not result in a bottom sample of less than 100 mg/kg, confirmatory soil samples would be collected from the bottom of the excavation using the procedures outlined in TSCA Subpart O, modified for a 5-ft horizontal grid. The samples would be composited and analyzed for PCBs using manual soxhlet extraction and EPA Method 8082 at a frequency of one sample per 15-ft grid to evaluate the concentration of PCBs left in place at the base of the excavation. If post-excavation soil testing results indicate that the cleanup levels (i.e., less than 100 mg/kg) have not been attained, further soil excavation and confirmatory sampling would be conducted.

4.1.1.3 Groundwater Sampling/Maintenance and Monitoring

EPA has requested that the MCCA continue the Maintenance and Monitoring Program consisting of the collection and analysis of groundwater samples for PCBs to evaluate whether PCBs remain in the dissolved or colloidal state during remediation. Accordingly, the MCCA would conduct semi-annual sampling of groundwater from monitoring wells located outside of the remediation limits for a calendar year following remediation. We have assumed two rounds of groundwater sampling would be required. The groundwater samples would be submitted to a laboratory for analysis PCBs by EPA Method 8082 using extraction method 3510C.

4.1.1.4 Cost Estimate for Self-Implementing Cleanup

Haley & Aldrich performed an engineer's cost estimate to provide an order of magnitude understanding of the cost to perform the remediation described above. This estimate is for remediation only and does not include additional soil characterization, environmental consulting, design, or construction monitoring services.

Off-site Disposal of PCB Impacted Soil	Imported Backfill	General Conditions/ Excavation Costs	Confirmatory Samples (if collected)	Site Restoration (including asphalt cap)	Uncertainty Allowance	Groundwater Monitoring (one year)	Total Cost
$11,644,150	$497,400	$5,013,500	$39,900	$2,633,000	$1,722,700	$25,000	**$21,575,650**

4.1.2 Evaluation of Risk Based Cleanup

4.1.2.1 Summary of Risk Based Remedial Approach

The proposed remedial approach under the Risk Based Cleanup consists of the removal of Hot Spots and the localized excavation and off-site disposal of soil containing the highest concentrations of PCBs (between 500 and 11,000 mg/kg) to achieve a 95% Upper Confidence Limit (95% UCL) value of the mean of residual (post-remediation) PCB concentration of less than 100 mg/kg within the top 3 ft of soil at the TSCA Site. Following excavation, a marker layer would be placed over the excavations and the excavated areas would be backfilled with Parking Area Backfill and imported soils to the bottom of the existing EM-1 Cap or to the subgrade elevation for areas outside the EM-1 Cap. A 6-in thick asphalt cap will be placed above the backfill material within the limits of the existing EM-1 Cap, followed by additional backfill to achieve the subgrade elevation. The excavated areas will then be restored to match their existing conditions (paved parking lot with 6 inches of dense graded crushed stone and 3.5 inches of asphalt, or a rip rap in drainage areas).

The removal of soil containing PCB concentrations greater than 500 mg/kg would result in the following residual total PCB concentrations:

	Arithmetic Mean (mg/kg)	95% UCL (mg/kg)
TSCA Soil (0 – 2 ft bgs) [a]	3.3	6.6
Beneath EM-1 Cap	13	23.7
Outside of EM-1 Cap [b]	3.5	6.3

[a] Excludes samples that are beneath the EM-1 Cap
[b] Soil deeper than EL 17

We estimate that approximately 8,200 cy of PCB-impacted soil (and 600 cy of lead-impacted soil) would be removed from the TSCA Site under the Risk-Based Cleanup approach. A detailed summary and sequence description of the Risk-Based remedial approach is provided in Section 4.3 below.

4.1.2.2 Summary of Risk Assessment

The concept of human health risk resulting from exposure to a toxic substance is predicated on the fundamental concept that a complete exposure pathway must exist between the location of the toxic substance and a human receptor. An exposure pathway requires: (1) a source and mechanism of chemical release, (2) a retention or transport medium, (3) a point of potential human contact with the contaminated medium (known as the exposure point), and (4) an exposure route at the contact point (e.g., ingestion of soil, inhalation of dust) (USEPA, 1989). In order for the exposure pathway to be considered potentially complete, all four elements must be present. In other words, at the TSCA Site, there must be PCBs present at a location where human contact can occur in order for an exposure pathway to be complete. When any one of these elements is not present, the exposure pathway is incomplete and, therefore, poses no unacceptable health risk.

The current and future use of the TSCA Site is a secured, controlled access parking lot and truck marshalling area. The soil beneath the EM-1 Cap will remain located beneath an asphalt cap, and portions of the Cap will also be covered with several feet of soil. The remainder of the TSCA Site will also be covered with asphalt and small areas of crushed stone and rip rap for drainage. Deed restrictions in the form of an MCP Activity and Use Limitation (AUL) and TSCA Deed Restriction will prevent soil excavation into the TSCA soil, and will limit use of the Site to being a paved parking lot where part-time parking attendants will only be present during events held at the BCEC. Therefore, there are (and will continue to be) no complete exposure pathways to soil associated with the TSCA Site, and therefore no unacceptable risks to human health.

However, remediation of soil will occur to reduce the PCB concentrations at the Site. Therefore, the Risk-Based Cleanup is based on the development of an Exposure Point Concentration (EPC) that describes the concentration of PCBs that will remain at the Site. EPCs are derived on the premise that human exposure of an individual to a contaminated medium occurs on a periodic and random basis. Because of the repeated nature of such contact, the human exposure does not really occur at a fixed point but rather at a variety of points with equal likelihood that any given point within the exposure area will be the contact location on any given day. Thus, exposure should be identified in consideration of the likelihood of a receptor contacting a contaminated medium with equal probability, and the EPCs should be the arithmetic averages of the chemical concentrations within the exposure area (EPA, 2002).

Both the MCP and EPA risk assessment guidance (e.g., EPA, 2002) employ the concept of EPCs being based on arithmetic averages within the exposure area. However, the MCP further indicates that areas of elevated concentrations, defined as Hot Spots, be considered as separate areas, and that separate EPCs (average concentrations) be defined for those areas. The MCP defines a Hot Spot as a discrete area where the concentrations of a substance are at least 100 times greater than the immediate surrounding area. EPA risk assessment guidance does not use the term 'Hot Spot' nor does it indicate that separate EPCs should be derived for areas of elevated concentrations. Instead, EPA guidance indicates that a 95% UCL be used to represent the EPC to account for uncertainty in estimating the arithmetic mean concentration (EPA, 2002). The 95% UCL represents a concentration

that equals or exceeds the population arithmetic mean ninety-five percent of the time. Therefore, the 95% UCL conservatively accounts for data sets that may have elevated or highly variable concentrations.

Evaluation of the soil data set for the TSCA Site, based on post-remedial conditions, indicates that no Hot Spots will exist. Therefore, EPCs for the TSCA Site were derived as 95% UCL values for the TSCA Site soil data set. The TSCA Site soil data set used to derive EPCs is based on all soil samples collected beneath the EM-1 Cap or former ground surface remaining following remediation (generally soil with total PCB concentrations less than 500 mg/kg). The 95% UCL values for soil at the TSCA Site were calculated using the ProUCL software (V. 5.0; EPA, 2014). The ProUCL software performs a goodness-of-fit test that accounts for data sets without any non-detect observations, as well as data sets with non-detect observations. The software then determines the distribution of the data set for which the EPC is being derived (e.g., normal, lognormal, gamma, or non-discernable), and then calculates a conservative and stable 95 percent UCL value in accordance with the framework described in "Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites" (EPA, 2002). The software includes numerous algorithms for calculating 95% UCL values, and provides a recommended UCL value based on the algorithm that is most applicable to the statistical nature of the data set. The 95% UCLs for the post-remedial conditions are shown in Section 4.1.2.1.

As described above, there will realistically be no exposure to PCBs in soil at the TSCA Site. However, the risk assessment (Appendix D) evaluated potential exposures to Parking Area Backfill soil (non-TSCA Site soil), TSCA Site soil 0 - 2 ft bgs, and TSCA Site soil 0 – 15 ft bgs along Cypher Street, to demonstrate that post-remedial conditions will not pose unacceptable health risks to human receptors that may hypothetically contact soil at these exposure points. Based on this remedial plan, the results of the risk assessment indicate that none of the potentially complete exposure pathways that could exist after TSCA Site remediation would be associated with cancer and non-cancer risks that exceed EPA risk management thresholds. Specifically:

- For a commercial worker and visitor, the only exposure pathways that may realistically be complete at the site are those associated with surface soil (Parking Area Backfill) at small unpaved areas, which do not pose risks in excess of EPA risk management thresholds. However, the HHRA demonstrates that surface soil (0 – 2 ft) at the TSCA Site could remain unpaved in the future and would not pose risks in excess of EPA risk management thresholds if exposure were to hypothetically occur.

- For a construction worker, the TSCA Site does not pose risks in excess of EPA risk management thresholds for:
  - soil beneath and adjacent to Cypher Street;
  - surface soil (0 – 2 ft) at the TSCA Site

- Potential exposures to subsurface soil at the Site, both beneath and outside of the EM-1 Cap, will not occur because deed restrictions will require soil management and health and safety plans that will mitigate potential exposures.

4.1.2.3 Confirmatory Samples

Consistent with the conceptual site model and our understanding of the PCB release at the TSCA Site, the majority of sampling grids with PCBs at concentrations greater than or equal to 500 mg/kg are adjacent to one another and have PCB impacts at similar depths. Confirmatory soil samples would not be collected as soil within the TSCA area has been characterized to less than 500 mg/kg.

4.1.2.4 Groundwater Sampling/Maintenance and Monitoring

We anticipate that the Maintenance and Monitoring Program would be the same for the Risk-Based Cleanup Approach as it would for the Self-Implementing Cleanup.

4.1.2.5 Cost Estimate for Risk-Based Cleanup

Haley & Aldrich performed an engineer's cost estimate to provide an order of magnitude understanding of the cost to perform the remediation described above. This estimate is for remediation only and does not include additional soil characterization, environmental consulting, design, or construction monitoring services.

Off-site Disposal of PCB Impacted Soil	Imported Backfill	General Conditions/ Excavation Costs	Confirmatory Samples (if collected)	Site Restoration (including asphalt cap)	Uncertainty Allowance	Groundwater Monitoring (one year)	Total Cost
$5,635,400	$252,300	$2,543,600	$18,900	$1,917,000	$932,000	$25,000	**$11,324,200**

4.2 REMEDIAL GOAL SELECTION

An evaluation was conducted comparing the Self-Implementing Cleanup and the Risk-Based Cleanup approaches described above, including consideration of their impacts on risk to receptors post-remediation, the complexity of remediation activities, and approximate remediation cost.

As shown above, the cost for the Self-Implementing Cleanup approach is approximately two times (2x) the cost for the Risk-Based Cleanup. Although the Self-Implementing Cleanup would result in a post-remediation EPC of 9.5 mg/kg (based on the 95% UCL for detected values), there would be no exposure to soil at the TSCA Site under future use conditions for the Self Implementing Cleanup or the Risk-Based Cleanup, and therefore no unacceptable health risk. Consequently, the Self-Implementing Cleanup option achieves no additional reduction in health risk, yet costs twice as much to implement. Accordingly, the selected remedial approach for the TSCA Site is Risk-Based Cleanup to 500 mg/kg under 761.61(c).

4.3 RISK-BASED REMEDIAL APPROACH

As noted earlier, the proposed remedial approach for the TSCA Site under the Risk-Based Cleanup consists of the removal of Hot Spots and localized excavation and off-site disposal of soil containing the highest concentrations of PCBs to achieve a 95% Upper Confidence Limit (95% UCL) value on the mean of residual (post-remediation) PCB concentration of less than 100 mg/kg within the top 3 ft of soil at the TSCA Site. The removal all soil containing PCB concentrations greater than 500 mg/kg would result in a 95% UCL of 23.7 mg/kg beneath the EM-1 Cap and 6.3 mg/kg in areas outside of

the EM-1 Cap. We estimate that approximately 8,800 cy of PCB-impacted soil would be removed from the TSCA Site.

A summary of the remedial approach and sequencing are provided below and details are provided in the following sections:

1. Strip asphalt from the existing parking lot surface to expose the Parking Area Backfill that was placed over the EM-1 Cap and former ground surface in 2005.
2. Excavate and temporarily stockpile Parking Area Backfill to expose the EM-1 Cap and former ground surface in areas where excavation will occur to remove Hot Spots and soil with PCB concentrations greater than or equal to 500 mg/kg.
3. Excavate through the EM-1 Cap and below the EM-1 Cap or former ground surface for those areas outside of the EM-1 Cap (conservatively assumed to be El. 17) to remove Hot Spots and soil containing PCB concentrations greater than or equal to 500 mg/kg and dispose of the soil and asphalt (generated from EM-1 Cap removal) off-site (Figure 13).
4. Place a marker layer over the excavation and backfill the excavation with Parking Area Backfill and imported soils to the bottom of the existing EM-1 Cap or to the subgrade elevation for areas outside the EM-1 Cap.
5. Place a 6-in thick asphalt cap above the backfill material within the limits of the existing EM-1 Cap, followed by additional backfill to achieve the subgrade elevation within the EM-1 Cap.
6. Restore the TSCA Site to its previously existing condition (paved parking lot with 6 inches of dense graded crushed stone and 3.5 inches of asphalt, or a rip rap drainage area).

The location of soil planned to be excavated is shown on Figure 13. The location of PCBs with concentrations less than 500 mg/kg which will be left in place post-remediation is shown on Figure 14. Cross-sections depicting the backfilling sequence and asphalt cap are shown on Figure 15.

Based on this remedial plan, the results of the risk assessment (Appendix D) indicate that none of the potentially complete exposure pathways that could exist after TSCA Site remediation would be associated with cancer and non-cancer risks that exceed EPA risk management thresholds

4.3.1 Site Preparation

4.3.1.1 Site Security

Prior to conducting excavations at the TSCA Site, the Contractor will restrict access to the TSCA Site by erecting security fencing around the TSCA Site.

4.3.1.2 Parking Area Backfill Excavation and Stockpiling

The existing parking lot asphalt (at lot surface) will be recycled offsite or milled and stockpiled on-site for future reuse. Following removal of the asphalt, the Parking Area Backfill which was placed over the EM-1 Cap and former ground surface in 2005 will be excavated (as non-TSCA and non-PCB remediation waste) to the top of the EM-1 Cap or to the former ground surface elevation where the EM-1 Cap is not present (El. 17) in areas where excavation will occur to remove Hot Spots and soil with PCB concentrations greater than or equal to 500 mg/kg. The Parking Area Backfill will be temporarily stockpiled on BCEC property for future reuse (see Section 4.5 below)

4.3.2 TSCA Soil Excavation and Related Activities

The treatment, excavation, and management of soil and groundwater will be conducted under this TSCA Work Plan and a Release Abatement Measure (RAM) Plan in accordance with the MCP. Haley & Aldrich will observe and document the work on a full-time basis, and will provide the Contractor with guidance relative to the requirements outlined in this TSCA Work Plan.

4.3.2.1 Site Logistics

Prior to the start of excavation of TSCA soils, the Contractor will restrict access to the TSCA Site by establishing and maintaining an Exclusion Zone, a Contamination Reduction Zone (area where truck washing and decontamination stations will be constructed and utilized), and a Support Zone as follows:

- Remedial activities within the Exclusion and Contamination Reduction Zones will be undertaken by 40-hour OSHA HAZWOPER trained Contractors. The Contractor will prepare and comply with a Site-specific Health and Safety Plan (HASP). The HASP will contain health and safety policies and procedures to complete the work described in this TSCA Work Plan and comply with OSHA, NIOSH, local, state, and federal requirements.

- The Exclusion Zone will encompass the excavation areas within the TSCA regulated areas, and personnel entering the Exclusion and Contamination Reduction Zones will have proper training certification and personal protective equipment, as required by the Contractor's HASP.

- Flexible panel fencing will be erected to visibly identify the work zone perimeters. The panel fencing shall be removed upon completion of remedial activities within the TSCA Site. Management and decontamination/disposal of fencing will vary depending upon whether the fencing was in contact with PCB contaminated soils. Fencing in contact with PCB-contaminated soils will be managed in accordance with 40 CFR 761.

- Movement of personnel and equipment between the zones will be regulated through access control points. Trucks and other vehicles entering the Exclusion and Contamination Reduction Zones will be routed through service entrance and exit areas, as shown schematically on Figure 16 (Site Logistics Plan) .

- The Contractor will install a wheel wash at each location in the Contamination Reduction Zone where construction vehicles access and depart. Each truck leaving the Exclusion Zone will have its wheels washed and cleaned of debris at the decontamination stations located in the Contamination Reduction Zone. Decontamination of trucks leaving the Exclusion Zone shall be conducted in accordance with TSCA 40 CFR 761.79.

- Trucks hauling soils to off-site receiving facilities will be loaded in the Exclusion Zone. Loaded trucks will be covered with tight fitting covers, which will be securely fastened prior to leaving the Exclusion Zone. Additionally, each load leaving the Exclusion Zone will require documentation including copies of waste manifests, bills of lading, and vehicle license-plate number.

- Figure 16 depicts our conceptual understanding of the potential locations of the zones and the access and egress routes. These locations may vary based on input from the Contractor.

4.3.2.2 Soil Excavation Activities and Sequencing

Prior to excavation of soils, the Contractor will be required to establish horizontal and vertical control of the excavation areas via survey. The Remediation Contractor will determine the layout of the lateral extent of excavation using global positioning system (GPS) or survey equipment, and will conduct engineering level surveys as excavation proceeds vertically. The bottom of excavation will be surveyed and recorded in an as-built drawing upon completion to verify that the target depth has been achieved.

The Contractor will excavate soils within the designated remediation areas from the EM-1 Cap or former ground surface for those areas outside of the EM-1 Cap (conservatively assumed to be El. 17) to remove Hot Spots and soil containing PCB concentrations greater than or equal to the TSCA Site-specific remedial goal 500 mg/kg at identified remedial excavation areas.

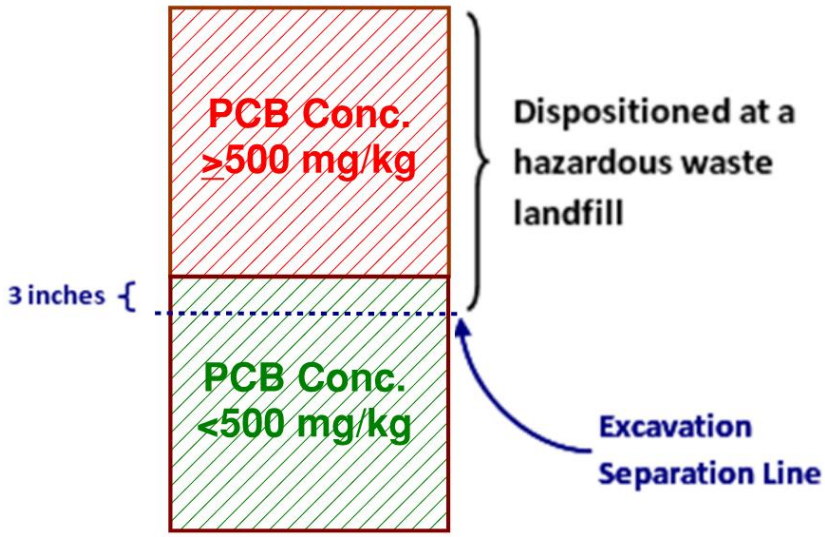
Prior to off-site disposal of PCB remediation waste, the Contractor will conduct treatment of soils that exceed RCRA Hazardous Waste Criteria for leachable metals. Following treatment and subsequent stabilization of the leachable metals, confirmatory samples will be collected by the Contractor to assess whether the treatment was successful.

We anticipate that excavation and backfilling activities will be performed from north to south (from the BCEC Phase 1 building toward New Cypher Street). The Exclusion Zone, Contamination Reduction Zone, and Support Zone will be adjusted as the work is completed. The intent is to re-establish use of the remediated areas as a parking lot as soon as possible after the paving has been completed and potential exposure to PCB impacted soils has been eliminated.

4.3.2.3 Vertical Excavation Limits

The vertical extent of excavation will be determined by the elevation of the deepest soil sample in each sampling grid exhibiting concentrations of PCBs greater than or equal to 500 mg/kg.

Where an interval may exist between the deepest soil sample exhibiting concentrations of PCBs greater than or equal to 500 mg/kg and the sample beneath it exhibiting concentrations of PCBs less than 500 mg/kg, the excavation will be extended to the top of the deeper sample exhibiting concentrations of PCBs less than 500 mg/kg. In addition, the bottom of the excavation will be over-excavated by 3 inches below the target elevation in each sampling grid, as shown below:



4.3.2.4 Lateral Excavation Limits

As shown on Figure 13, soil exhibiting PCB concentrations greater than or equal to 500 mg/kg will be over-excavated laterally, beyond the limits of the 30 ft by 30 ft sampling grids, to the nearest "clean" boring(s) where PCBs were not detected above the cleanup goal of 500 mg/kg. Remediation of MCP Hot Spots, which do not contain PCBs greater than or equal to 500 mg/kg, will be excavated to the limits of the 30 ft by 30 ft sampling grid.

4.3.2.5 Equipment Decontamination

During excavation of soils with concentrations of PCBs greater than or equal to 50 mg/kg, the excavator bucket will be decontaminated using the double-wash rinse method in accordance with TSCA Subpart S, Double Wash/Rinse Method for Decontaminating Non-Porous Surfaces. During excavation of soils with concentrations of PCBs less than 50 mg/kg, if encountered, the excavator bucket will be decontaminated in accordance with TSCA 40 CFR Ch. 1 §761.79. Alternately, separate dedicated excavation buckets may be used for excavation of soils greater than or equal to 50 mg/kg and excavation of soils less than 50 mg/kg.

Wastewater from decontamination procedures within the TSCA area will be collected and managed as described in Section 4.6 below.

4.3.2.6 Dust Monitoring

Haley & Aldrich has prepared an Ambient Air Monitoring Plan (AAMP) to be followed by the remediation Contractor during intrusive work. A Dust Action Level of 60 µg/m^3 has been developed for the TSCA Site based on the types and nature of contaminants detected in Site soils. This value is based on particle concentrations measured as PM10, which includes particles with an aerodynamic diameter of 10 micrometers (µm) and less. A description of how this value was identified is provided in the AAMP, which is included in Appendix E.

Haley & Aldrich will conduct dust monitoring during the course of the work in accordance with the AAMP. Anticipated activities that are planned to be conducted as part of the AAMP are real-time

and time-averaged ambient air monitoring using weatherproof, 24-hour, time weighted average (TWA) dust monitoring devices. Real time monitoring will be used to evaluate daily conditions at the Site and to identify and respond to unacceptable short-term impacts to ambient air quality due to remedial activities, if any. Up to four (4) dust monitoring stations will be setup at selected locations during excavation in a particular area. The locations will be dependent on the wind direction at any given time, however, at least one station will be set up at a predominantly downwind location. Daily time-weighted average ambient air concentrations from these stations will be recorded at the end of each day for the duration of the remedial activities. In addition, visual observations of potential fugitive dust will be made on an ongoing basis during the course of the work.

The detection or observation of elevated dust levels above the developed Action Level potentially originating from the soil removal activities will be considered to be a potential excursion of the dust control measures, and Haley & Aldrich will work with the Contractor to immediately evaluate and mitigate the potential source of detected dust. The work may be stopped as required to mitigate potential excursions of fugitive dust.

Mitigation measures, if needed, are anticipated to include use of water spray suppression as needed to control dust. Additional dust control measures that may be implemented as needed during the work include: use of hygroscopic salts; biodegradable tackifiers; minimizing the areas of excavation that are exposed at a given time; backfilling and stabilizing excavated areas as soon as possible; temporary erosion control mats/netting/geotextiles; and, suspension of work during windy conditions. In the event the Action Level is exceeded, work will not be allowed to proceed until the dust level is mitigated and maintained below the Action Level.

4.3.3 Soil Management and Off-Site Disposition

Off-site disposition of soils will be based on characterization data obtained for the sampling grids established during the TSCA characterization program. As noted above, soils containing PCB concentrations less than 500 mg/kg present below the EM-1 Cap (or El. 17 where cap is not present) but above soils with PCB greater than or equal to the TSCA remedial goal 500 mg/kg will be excavated, managed and disposed of as if was characterized as having PCBs greater 500 mg/kg.

- In excavation areas where soils have been designated for disposal because they contain concentrations of PCBs greater than or equal to 500 mg/kg, soil within the designated excavation area will be transported to a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or state authorized under Section 3006 of RCRA, or a PCB disposal facility approved under 40 CFR 761.61(a)(5)(i)(B) regardless of the concentration of PCBs in the soil samples.

- Soils with concentrations of PCBs greater than or equal to 1 mg/kg, but less than 50 mg/kg and generated from MCP Hot Spots will be transported to a RCRA Subtitle D landfill (Waste Management TREE in Rochester, New Hampshire) or (if approved) to ESMI in Loudon, New Hampshire. Other RCRA Subtitle D landfill or permitted treatment facilities may also be considered; if so, they will be provided to EPA for approval.

- Soils that contain PCBs less than 1 mg/kg, if present, will be disposed of at appropriate facilities based on soil precharacterization data for other constituents.

As discussed above, the majority of the soil within the TSCA Site limits has been precharacterized to facilitate direct loading and off-site disposition without stockpiling or additional laboratory testing. However, if necessary due to TSCA Site logistics and scheduling, TSCA regulated soils may be stockpiled within the Exclusion Zone. In the event soil needs to be stored on-site prior to transportation and disposal, it will either be stored in lined roll-off containers or placed on and covered with double-lined polyethylene sheeting to prevent water intrusion into the stockpile. Soil stockpiles will be surrounded by silt fence or hay bales to prevent migration of PCB-contaminated soil. Haley & Aldrich will conduct supplemental on-site testing, if necessary.

If direct-loaded soil is too wet for transport, the Contractor will be required to take measures to stabilize the soil, using methods such as applying lime or cement. Note that because the majority of excavation will occur above the water table it is not likely that the Remediation Contractor will need to stabilize wet soil prior to loading.

All operators and trucks will have proper Department of Transportation certifications and vehicle inspection certifications. Trucks transporting PCB-contaminated soils off-site to an EPA-approved facility are anticipated to enter the TSCA Site from construction entrances situated along Cypher Street.

We anticipate that the Remediation Contractor will propose to transport soils with PCBs less than 50 mg/kg to Turnkey Recycling and Environmental Enterprises ("TREE"), a RCRA Subtitle D facility in Rochester, NH. We understand that, pursuant to 40 CFR 761.61, EPA approval is required for use of that facility for soils containing PCBs less than 50 mg/kg. We respectfully request approval from EPA for the use of TREE as a soil receiving facility for disposal of soils containing PCBs at concentrations less than 50 mg/kg.

We anticipate that the Remediation Contractor will proposed to transport soils with PCBs greater than or equal to 50 mg/kg to a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or state authorized under Section 3006 of RCRA, or a PCB disposal facility approved under 40 CFR 761.61(a)(5)(i)(B).

4.3.4 Decontamination and On-Site Reuse of Concrete and Nonporous Materials

Concrete debris excavated within the limits of the TSCA Site will be segregated and stockpiled within the TSCA Site. Concrete with visual evidence of contamination, such as oil staining, will be stockpiled and evaluated separately. The concrete debris will be processed to remove loose soil, and samples of the concrete will be collected and submitted to a laboratory for analysis for PCBs using manual soxhlet extraction and EPA Method 8082. Sample collection will be conducted by drilling into the surface of representative portions of the concrete that were in contact with soils.

The concrete stockpiles will be constructed to be no greater than 250 cy each. The stockpiles will be sampled and tested separately from each other, with one composite sample composed of five subsamples from each pile. Each composite will consist of five individual samples collected from the surface of the concrete, obtained to ½-inch deep. The samples will be collected using the Region 1, EPA-New England "Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)," dated May 2011. Individual sampling locations will be determined randomly using procedures consistent with the procedures for sampling a conical pile outlined in Subpart R.

If large blocks of concrete encountered in soils with PCB concentrations greater than or equal to 1 mg/kg are removed in one piece and not stockpiled with other pieces, the procedure for sampling a specifically configured pile in Subpart R, modified for a ½-inch sampling depth, will be used to determine individual sample locations and the number of composite samples obtained.

Based on the results of the chemical testing, the concrete may be crushed and reused on-site as backfill, or will disposed of offsite, as follows:

- Concrete may be reused within the remedial excavations, below the EM-1 Cap or former ground surface if the laboratory testing indicates PCBs are less than 500 mg/kg.
- Concrete exhibiting concentrations of PCBs greater than or equal to 500 mg/kg will be removed from the TSCA Site as TSCA regulated material.

Nonporous materials (such as cobblestones, granite blocks, or boulders) in contact with soils containing PCB concentrations greater than 1 mg/kg will be power-washed and sampled in accordance with TSCA Subpart P to confirm efficacy of cleaning. Based on the results of the chemical testing, the non-porous materials may be reused on-site as backfill. Non-porous materials may be reused if the laboratory testing indicates PCBs are less than or equal to 10 ug/100 cm^2. Non-porous materials exhibiting concentrations of PCBs greater than or equal to 10 ug/100 cm^2 will be removed from the TSCA Site as TSCA regulated material.

Where concrete or non-porous materials are not in contact with soils containing PCBs above 1 mg/kg, the material may be reused onsite or transported offsite (as non-TSCA waste) for recycling or disposal.

4.4 CONFIRMATORY POST-EXCAVATION SOIL SAMPLING

4.4.1 Bottom of Excavation Confirmatory Sampling

As discussed above, the TSCA Site was divided into 30 ft by 30 ft grids for characterization of PCBs. Soil samples were analyzed for PCB analysis in two foot intervals starting at the EM-1 Cap or former ground surface and extended until the test boring reached naturally deposited soils or, in some cases, until the PCB analysis did not detect PCBs above laboratory reporting limits.

Consistent with the conceptual site model and our understanding of the PCB release at the TSCA Site, the majority of sampling grids with PCBs at concentrations greater than or equal to 500 mg/kg are adjacent to one another and have PCB impacts at similar depths. Samples containing PCBs at concentrations greater than 500 mg/kg are concentrated within the limits of the former SAK Site and under the EM-1 Cap. Four test borings conducted outside of the EM-1 Cap exhibited concentrations of PCBs greater than 500 mg/kg, as shown on Figure 13.

The existing data was reviewed on a point by point basis and its suitability for use as confirmatory samples was evaluated with consideration of PCB concentrations in surrounding areas both vertically and horizontally. It is our opinion that the existing data set is sufficient to serve as confirmatory samples and demonstrate that PCBs above 500 mg/kg will be removed by the planned excavation. In addition, areas exhibiting PCBs at concentrations greater than 500 mg/kg will be over-excavated by 3 inches below the target depth and the soil will be disposed of off-site. A figure

showing the relative PCB concentrations remaining in soil post-remediation (including greater than 100 mg/kg) is shown on Figure 14. As the TSCA Site has been characterized horizontally and vertically to less than 500 mg/kg, PCB confirmatory soil samples will not be collected. Our opinion of the representativeness of the data is based on:

- our understanding of the release;
- our review of the extensive data set obtained during TSCA Site characterization (including one or more samples collected from the bottom of the majority of explorations indicating PCBs were not detected above laboratory reporting limits);
- the distribution of PCBs at the TSCA Site;
- the large size of the TSCA Site (approximately 7 acres);
- the planned over-excavation of 3 inches of soil containing PCBs greater than or equal to 500 mg/kg;
- the asphalt and rip rap surface that will mitigate exposure to residual PCBs remaining at the TSCA Site post-remediation, and the replacement of the EM-1 Cap in excavated areas;
- the lack of exposure to residual PCB-impacted soils; and
- the demonstration that post-remediation conditions do not pose risk in the event of exposure.

4.4.2 Sidewall Sampling

Sidewall sampling is not planned during remedial excavations because soil containing PCBs greater than or equal to 500 mg/kg within the remedial areas will be over-excavated laterally, beyond the limits of the 30 ft by 30 ft sampling grids, to the nearest boring(s) which exhibit PCB concentrations below the remedial goal of 500 mg/kg.

4.5 BACKFILLING

Following excavation and off-site disposal of PCBs greater than or equal to 500 mg/kg, a marker layer will be placed over those areas of the TSCA Site to provide visual indication of the presence of residual TSCA soils and to prevent excavation into the TSCA soils during hypothetical future construction.

The remedial excavations will be backfilled first with the Parking Area Backfill material (at depth), then with imported backfill material as necessary to raise the grade to the bottom of the EM-1 Cap or to the subgrade elevation for the parking lot surface for areas outside of the EM-1 Cap. A 6-in thick asphalt cap will be placed above the backfill material within the limits of the EM-1 Cap, followed by additional backfill to achieve the subgrade elevation for the parking lot surface within the EM-1 Cap. Following achievement of subgrade elevations within the excavated areas, the TSCA site will be restored to its previously existing condition by the placement approximately six inches of dense graded crushed stone and 3.5 inches of asphalt, or placement of rip rap over previously existing drainage areas. Cross-sections depicting the backfilling sequence and asphalt cap are shown on Figure 15.

If future excavations are required below the marker layer, a remediation Contractor familiar with TSCA and with this TSCA Work Plan will perform the excavations in accordance with the procedures outlined in this Work Plan for remediation of the TSCA regulated area, the MCP, and the Contractor's Site-Specific Health and Safety Plan.

4.6 WATER MANAGEMENT

It is anticipated that water will need to be managed during TSCA Site activities, as described below.

4.6.1 Construction Dewatering Effluent

Construction dewatering effluent will be discharged off-site under a National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP). At a minimum, the Contractor's construction dewatering treatment system will include sedimentation control to remove suspended solids from effluent; tanks to temporarily store effluent prior to discharge; and pH neutralization systems. Additional treatment of constituents to meet the requirements of the discharge permit shall be determined based on testing. Soil entrained in the dewatering effluent that is collected from the TSCA Site and the filtration system components will be managed as TSCA waste.

The proposed approach for management of dewatering effluent and sediment generated during work conducted within the TSCA Site is as follows:

- Dewatering effluent and waste water from decontamination will be pumped through an on-site water treatment system and discharged under a NPDES RGP (to be obtained).
- During excavation of TSCA regulated materials, sediment accumulated in the settlement tank(s) will be collected for sampling and analysis, and the collected sediments will be removed from the TSCA Site in accordance with applicable State and Federal regulations.
- Dewatering effluent generated while excavation occurs in the TSCA Site will be sampled and analyzed for PCBs by EPA Method 608 in addition to the requirements of the NPDES RGP. The sampling frequency will follow the frequency established in the RGP Permit.
- Bag filters and carbon (if any) that are used while dewatering from excavations within the TSCA Site will be disposed as PCB waste with concentrations greater than or equal to 50 mg/kg.
- After the work within the TSCA Site is complete, the sedimentation tank will be cleaned using the procedures outlined in Subpart S, and the decontamination materials will be disposed in accordance with TSCA and with the other decontamination materials used for cleaning equipment.

Alternately, construction dewatering effluent will be recharged onsite in accordance with the 310 CMR 40.0045 Construction dewatering effluent that is recharged on-site wil be treated to achieve total PCB concentrations less than 0.5 ug/l using a treatment system, if necessary.

4.6.2 Decontamination Wastewater

The Contractor has several options for management of decontamination wastewater:

a. Drum independently and transport off-site to an EPA-approved receiving facility.
b. Recharge wastewater on-site using a treatment system to achieve total PCB concentrations less than 0.5 ug/l.
c. Discharge treated water off-Site under the NPDES RGP permit, which establishes a maximum daily discharge limit of 0.5 ug/L PCBs as analyzed using EPA Method 608.

4.6.3 Groundwater Sampling/Maintenance and Monitoring

EPA has requested that the MCCA continue the Maintenance and Monitoring Program consisting of the collection and analysis of groundwater samples for PCBs to evaluate whether PCBs remain in the dissolved or colloidal state. During active remedial excavations, MCCA will conduct sampling of groundwater from monitoring wells located outside of the remediation limits (221-B01/W01, 272-B05/W05, 271-B01/W01(A), and CST-B11/W09) in accordance with the existing groundwater monitoring schedule (annually in May and November). Following remediation, sampling of groundwater from monitoring wells 221-B01/W01, 272-B05/W05, 271-B01/W01(A), and CST-B11/W09 will be conducted every three years.

4.7 SCHEDULE

Work within the TSCA Site is currently anticipated to commence in Spring 2017. If performed on schedule, remedial excavation of PCB-contaminated soils at the TSCA Site and site restoration are expected to be completed during the Summer 2017.

4.8 CERTIFICATION OF OWNER AND PARTY CONDUCTING CLEANUP

The signed original certification required by 40 CFR 761.61(a)(3)(i)(E) is being submitted concurrently with this Self-Implementing Plan. A copy of the executed certification is provided in Appendix A.

5. Closing

TSCA Site cleanup will be conducted in accordance with this TSCA Work Plan. If conditions are encountered that vary substantially from those anticipated, this plan may be revised to accommodate those conditions. Pursuant to 40 CFR 761.61(a)(3)(ii), EPA will be notified of proposed changes to this plan.

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References

1. Boston Redevelopment Authority and Massachusetts Convention Center Authority, "Application for Special Project Designation (SPD), Boston Convention & Exhibition Center," dated 18 November 1999.

2. GZA, Inc., "Environmental Site Assessment, Conrail Properties, South Boston, Massachusetts," dated 26 November 1985.

3. ABB Environmental Services, Inc., "Draft Report, Preliminary Site Assessment, Energy International, Inc., 430 C Street, South Boston, Massachusetts," dated 8 May 1990.

4. GZA, Inc., "Results of PCB Sampling and Analysis, C Street Property, Boston, Massachusetts," dated 6 November 1995.

5. Harding and Lawson Associates, "Immediate Response Action Completion Report, Boston Edison Company, Release Tracking Number 3-580, Boston Junk Site, Boston, Massachusetts", dated October 1998.

6. New England Environmental Technologies Corporation, "Phase I Initial Site Investigation Report and Tier Classification Submittal, 14 Louis Street, South Boston, MA RTN#0580," dated 22 February 1996.

7. Weston & Sampson Engineers, Inc., "Release Abatement Measure Plan, Boston Convention & Exhibition Center, Former Boston Junk/SAK Recycling Site, RTN 3-0580, Parcel 27, Parcel 24, Parcel 25, Parcel 26, South Boston, MA," dated January 2000.

8. Weston & Sampson Engineers, Inc., "Proposed Monitoring & Maintenance Plan, Boston Convention & Exhibition Center, Former SAK Recycling, 14 Louis Street, RTN 3-0580 & 3-16200 (Special Project Status)," dated 14 November 2000.

9. Weston & Sampson Engineers, Inc., PCB Groundwater Monitoring Data Reports, Former Boston Junk/SAK Recycling Site, 14 Louis Street and 444 C Street, South Boston, Massachusetts, Boston Convention & Exhibition Center, RTN 3-0580, dated 20 July 2001 through 17 January 2003.

10. Haley & Aldrich, Inc., EM-1 Maintenance and Monitoring Status Report Nos. 1 through 21, Former Boston Junk/SAK Recycling Site, Boston Convention & Exhibition Center, South Boston, Massachusetts, RTN 3-16211, dated 23 July 2004 through 9 December 2014.

11. Haley & Aldrich, Inc., "Construction Release Abatement Measure Plan, Boston Convention and Exhibition Center, Boston, Massachusetts, Release Tracking Number 3-16200," dated 30 June 2000.

12. Haley & Aldrich, Inc., Construction Release Abatement Measure Plan Status Report Nos. 1 through 19, Boston Convention and Exhibition Center, Boston, Massachusetts, Release Tracking Number 3-16200, dated 29 September 2000 through 20 April 2005.

13. Haley & Aldrich, Inc., "Construction Release Abatement Measure (RAM) Completion Report, Boston Convention & Exhibition Center, South Boston, Massachusetts, Release Tracking Number (RTN) 3-16230," dated 8 July 2005.

14. Haley & Aldrich, Inc., “Class A-3 Response Action Outcome Statement, Boston Convention & Exhibition Center, South Boston, Massachusetts, Release Tracking Number (RTN) 3-16230,” dated 1 May 2008.

15. Haley & Aldrich, Inc., “MCP Phase I Initial Site Investigation Report, Tier II Classification Submittal and Conceptual Phase II Scope of Work, Boston Convention and Exhibition Center West of C Street – Phase 2 Area, Boston, Massachusetts, RTN 3-16211,” dated 30 June 2009

16. Haley & Aldrich, Inc., “Phase II Comprehensive Site Assessment and Phase III Remedial Action Plan, Boston Convention & Exhibition Center, Phase 2, West of C Street, Boston, Massachusetts, RTN 3-16211,” dated 30 June 2011.

17. Haley & Aldrich, Inc., “Class C-2 Response Action Outcome (RAO) Statement, Boston Convention & Exhibition Center, Phase 2, West of C Street, Boston, Massachusetts, RTN 3-16211,” dated 29 June 2012.

18. Haley & Aldrich, Inc., “Construction Release Abatement Measure Plan, Cypher Street, Boston Convention & Exhibition Center, South Boston, Massachusetts, Release Tracking Number 3-16224,” dated 21 November 2000.

19. Haley & Aldrich, Inc., “Release Abatement Measure Completion Report and Response Action Outcome Statement, Cypher Street at South Boston Bypass Road, Boston Convention & Exhibition Center, South Boston, Massachusetts, RTN 3-16224,” dated 15 August 2001.

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TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - May 2016							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01(A)	272-B01/W01	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1614496-03	L1614274-01	L1614082-03	L1614082-01	L1614496-02	L1614082-05	L1614274-03	L1614274-05
DATE	GW-3	Standard	5/12/2016	5/11/2016	5/10/2016	5/10/2016	5/12/2016	5/10/2016	5/11/2016	5/11/2016
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.0625)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	0.0625	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - May 2016							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01 FILTERED	271-B01/W01(A) FILTERED	272-B01/W01 FILTERED	272-B05/W05 FILTERED	272-B08/W08 FILTERED	272-B0X/W0X FILTERED	274-B02/W02 FILTERED	CST-B11/W09 FILTERED
LABORATORY REPORT NO.	Method 1	Notification	-	L1614274-02	L1614082-04	L1614082-02	L1614496-01	L1614082-06	L1614274-04	L1614274-06
DATE	GW-3	Standard	-	5/11/2016	5/10/2016	5/10/2016	5/12/2016	5/10/2016	5/11/2016	5/11/2016
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Not enough volume	271-B01/W01(A) Field Filtered	Field Filtered		Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - December 2015							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01(A)	272-B01/W01(A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1531650-01	L1531502-12	L1531502-08		L1531502-02	L1531502-10	L1531502-06	L1531502-04
DATE	GW-3	Standard	12/2/2015	12/1/2015	12/1/2015		11/30/2015	12/1/2015	12/1/2015	12/1/2015
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES						See Note 3		Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - December 2015							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01 FILTERED	271-B01/W01(A) FILTERED	272-B01/W01(A) FILTERED	272-B05/W05 FILTERED	272-B08/W08 FILTERED	272-B0X/W0X FILTERED	274-B02/W02 FILTERED	CST-B11/W09 FILTERED
LABORATORY REPORT NO.	Method 1	Notification	-	L1531502-11	L1531502-07		L1531502-01	L1531502-09	L1531502-05	L1531502-03
DATE	GW-3	Standard	-	12/1/2015	12/1/2015		11/30/2015	12/1/2015	12/1/2015	12/1/2015
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Not enough volume	271-B01/W01(A) Field Filtered	Field Filtered	See Note 3	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	-	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - May 2015							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01A	272-B01/W01A	272-B05/W05A	272-B08/W08	272-B01/W01B	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1511277-04	L1511126-04	L1510994-06	L1510994-02	L1511126-02	L1510994-08	L1511126-06	L1511277-02
DATE	GW-3	Standard	5/21/2015	5/20/2015	5/19/2015	5/19/2015	5/20/2015	5/19/2015	5/20/2015	5/21/2015
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES						272-B05/W05		Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - May 2015							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01 FILTERED	271-B01/W01 FILTERED	272-B01/W01A FILTERED	272-B05/W05A FILTERED	272-B08/W08 FILTERED	272-B01/W01B FILTERED	274-B02/W02 FILTERED	CST-B11/W09 (FILTERED)
LABORATORY REPORT NO.	Method 1	Notification	L1511277-03	L1511126-03	L1510994-05	L1510994-01	L1511126-01	L1510994-07	L1511126-05	L1511277-01
DATE	GW-3	Standard	5/21/2015	5/20/2015	5/19/2015	5/19/2015	5/20/2015	5/19/2015	5/20/2015	5/21/2015
SCREEN DEPTH (FT.)	Standard			5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES				271-B01/W01(A) Field Filtered	Field Filtered	272-B05/W05 (FILTERED)	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - November 2014							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01(A)	272-B01/W01(A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1427295-03	L1427295-01	L1427304-05	L1426999-01	L1427295-04	L1427304-07	L1427304-03	L1427304-01
DATE	GW-3	Standard	11/12/2014	11/12/2014	11/11/2014	11/10/2014	11/12/2014	11/11/2014	11/11/2014	11/11/2014
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - November 2014						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A) (FILTERED)	272-B01/W01(A) (FILTERED)	272-B05/W05 (FILTERED)	272-B08/W08 (FILTERED)	272-B0X/W0X (FILTERED)	274-B02/W02 (FILTERED)	CST-B11/W09 (FILTERED)
LABORATORY REPORT NO.	Method 1	Notification	L1427295-02	L1427304-06	L1426999-02	L1427295-05	L1427304-08	L1427304-04	L1427304-02
DATE	GW-3	Standard	11/12/2014	11/11/2014	11/10/2014	11/12/2014	11/11/2014	11/11/2014	11/11/2014
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - May 2014							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01(A)	272-B01/W01(A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1409732-05	L1409732-03	L1409604-05	L1409604-01	L1409604-09	L1409604-07	L1409604-03	L1409732-01
DATE	GW-3	Standard	5/7/2014	5/7/2014	5/6/2014	5/5/2014	5/6/2014	5/6/2014	5/5/2014	5/7/2014
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			221-B01/W01					Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1221	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1232	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1248	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1254	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1260	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1262	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1268	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - May 2014						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A) (FILTERED)	272-B01/W01(A) (FILTERED)	272-B05/W05 (FILTERED)	272-B08/W08 (FILTERED)	272-B0X/W0X (FILTERED)	274-B02/W02 (FILTERED)	CST-B11/W09 (FILTERED)
LABORATORY REPORT NO.	Method 1	Notification	L1409732-04	L1409604-06	L1409604-02	L1409604-10	L1409604-08	L1409604-04	L1409732-02
DATE	GW-3	Standard	5/7/2014	5/6/2014	5/5/2014	5/6/2014	5/6/2014	5/5/2014	5/7/2014
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.06)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - December 2013							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01(A)	272-B01/W01(A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1324608-07	L1324608-05	L1324446-05	L1324446-01	L1324446-03	L1324446-07	L1324608-03	L1324608-01
DATE	GW-3	Standard	12/4/2013	12/4/2013	12/3/2013	12/2/2013	12/2/2013	12/3/2013	12/4/2013	12/4/2013
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			221-B01/W01					Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.068)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Aroclor 1221	10.0	0.5	ND(0.068)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Aroclor 1232	10.0	0.5	ND(0.068)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.068) UJ	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Aroclor 1248	10.0	0.5	ND (0.068) UJ	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Aroclor 1254	10.0	0.5	ND (0.068) UJ	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.387	ND(0.053)
Aroclor 1260	10.0	0.5	ND (0.068) UJ	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.242	ND(0.053)
Aroclor 1262	10.0	0.5	ND(0.068)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Aroclor 1268	10.0	0.5	ND(0.068)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0555)	ND(0.053)
Total PCBs	10.0	0.5	-	-	-	-	-	-	**0.629**	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - December 2013						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A) (FILTERED)	272-B01/W01(A) (FILTERED)	272-B05/W05 (FILTERED)	272-B08/W08 (FILTERED)	272-B0X/W0X (FILTERED)	274-B02/W02 (FILTERED)	CST-B11/W09 (FILTERED)
LABORATORY REPORT NO.	Method 1	Notification	L1324608-06	L1324446-06	L1324446-02	L1324446-04	L1324446-08	L1324608-04	L1324608-02
DATE	GW-3	Standard	12/4/2013	12/3/2013	12/2/2013	12/2/2013	12/3/2013	12/4/2013	12/4/2013
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.056)	ND(0.053)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - May 2013							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B01/W01X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1309758-01	L1309666-01	L1309569-03	L1309569-01	L1309666-05	L1309569-05	L1309666-03	L1309666-07
DATE	GW-3	Standard	5/30/2013	5/29/2013	5/28/2013	5/28/2013	5/29/2013	5/28/2013	5/29/2013	5/29/2013
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.065)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - May 2013						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B01/W01X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1309666-02	L1309569-04	L1309569-02	L1309666-06	L1309569-06	L1309666-04	L1309666-08
DATE	GW-3	Standard	5/29/2013	5/28/2013	5/28/2013	5/29/2013	5/28/2013	5/29/2013	5/29/2013
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - November 2012							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1220581-09	L1220581-05	L1220473-01	L1220684-01	L1220581-07	L1220473-03	L1220581-01	L1220581-03
DATE	GW-3	Standard	11/13/2012	11/13/2012	11/12/2012	11/14/2012	11/13/2012	11/12/2012	11/13/2012	11/13/2012
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1221	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1232	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1248	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1254	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.131	ND(0.053)
Aroclor 1260	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1262	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Aroclor 1268	10.0	0.5	ND(0.053)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.053)
Total PCBs	10.0	0.5	-	-	-	-	-	-	0.131	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - November 2012							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1220581-10	L1220581-06	L1220473-02	L1220684-02	L1220581-08	L1220473-04	L1220581-02	L1220581-04
DATE	GW-3	Standard	11/13/2012	11/13/2012	11/12/2012	11/14/2012	11/13/2012	11/12/2012	11/13/2012	11/13/2012
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES				Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.0555)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - May 2012							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1209693-09	L1209693-03	L1209469-01	L1209693-05	L1209693-01	L1209469-02	L1209693-10	L1209693-07
DATE	GW-3	Standard	5/31/2012	5/30/2012	5/29/2012	5/30/2012	5/30/2012	5/29/2012	5/31/2012	5/30/2012
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B01/W01(A)		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Aroclor 1221	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Aroclor 1232	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Aroclor 1248	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Aroclor 1254	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.184	ND(0.0525)
Aroclor 1260	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.12	ND(0.0525)
Aroclor 1262	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Aroclor 1268	10.0	0.5	ND(0.0615)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0525)
Total PCBs	10.0	0.5	-	-	-	-	-	-	0.304	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - May 2012						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1209693-04	L1209469-03	L1209693-06	L1209693-02	L1209469-04	L1209693-11	L1209693-08
DATE	GW-3	Standard	5/30/2012	5/29/2012	5/30/2012	5/30/2012	5/29/2012	5/31/2012	5/30/2012
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B01/W01(A)	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0545)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - November 2011							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	11/29/2011	11/29/2011	11/28/2011	11/29/2011	11/29/2011	11/29/2011	11/29/2011	11/29/2011
DATE	GW-3	Standard	L1119798-09	L1119798-10	L1119739-01	L1119798-07	L1119798-05	L1119798-12	L1119798-03	L1119798-01
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B08/W08		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.055)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.062)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - November 2011						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	11/29/2011	11/28/2011	11/29/2011	11/29/2011	11/29/2011	11/29/2011	11/29/2011
DATE	GW-3	Standard	L1119798-11	L1119739-02	L1119798-08	L1119798-06	L1119798-13	L1119798-04	L1119798-02
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B08/W08	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - April 2011							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1105679-05	L1105679-06	L1105946-03	L1105459-01	L1105679-01	L1105679-03	L1105557-01	L1105946-01
DATE	GW-3	Standard	4/22/2011	4/22/2011	4/28/2011	4/20/2011	4/22/2011	4/22/2011	4/21/2011	4/28/2011
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B08/W08		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.056)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - April 2011						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B0X/W0X	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1105679-07	L1105946-04	L1105459-02	L1105679-02	L1105679-04	L1105557-02	L1105946-02
DATE	GW-3	Standard	4/22/2011	4/28/2011	4/20/2011	4/22/2011	4/22/2011	4/21/2011	4/28/2011
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B08/W08	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - December 2010							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B08/W08 DUP	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1020159-01	L1020159-06	L1020159-04	L1020159-02	L1020019-01	L1020019-03	L1020019-07	L1020019-05
DATE	GW-3	Standard	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES								Duplicate of 272-B08/W08		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	**0.65**	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	**0.698**	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	**0.621**	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.09)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	**1.969**	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - December 2010						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01 (A)	272-B01/W01 (A)	272-B05/W05	272-B08/W08	272-B08/W08 DUP	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1020159-07	L1020159-05	L1020159-03	L1020019-02	L1020019-04	L1020019-08	L1020019-06
DATE	GW-3	Standard	12/16/2010	12/16/2010	12/16/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
SCREEN DEPTH (FT.)	Standard		5 to 15	2 to 12	5 to 15	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Duplicate of 272-B08/W08	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	-	-	-	-	-	-	-

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered - May 2010							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	271-B01/W01 (A) DUP	272-B01/W01 (A)	272-B05/W05	272-B08/W08	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1007736-01	L1007672-05	L1007672-07	L1007577-03	L1007577-01	L1007672-09	L1007672-01	L1007672-03
DATE	GW-3	Standard	5/24/2010	5/21/2010	5/21/2010	5/20/2010	5/20/2010	5/21/2010	5/21/2010	5/21/2010
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	2 to 12	5 to 15
NOTES					Duplicate of 271-B01/W01(A)					
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.169	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	0.169	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered - May 2010						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01 (A)	271-B01/W01(A) DUP	272-B01/W01 (A)	272-B05/W05	272-B08/W08	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1007672-06	L1007672-08	L1007577-04	L1007577-02	L1007672-10	L1007672-02	L1007672-04
DATE	GW-3	Standard	5/21/2010	5/21/2010	5/20/2010	5/20/2010	5/21/2010	5/21/2010	5/21/2010
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Field Filtered	Field Filtered	Field Filtered	Field Filtered	Field Filtered
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.055)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- Dec 2009 / Jan 2010								
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	271-B01/W01 (A) DUP	272-B01/W01 (A)	272-B05/W05	272-B08/W08	274-B02/W02	274-B01/W01	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L1000685-01	L0918508-02	L0918508-03	L0918425-01	L0918325-01	L0918325-02	L0918425-02	L0918508-04	L0918425-03
DATE	GW-3	Standard	14-Jan-10	18-Dec-09	18-Dec-09	17-Dec-09	16-Dec-09	16-Dec-09	17-Dec-09	18-Dec-09	17-Dec-09
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	2 to 12	2 to 12	5 to 15
NOTES					Duplicate of 271-B01/W01 (A)					Collected from 274-B02/W02	
PCBs (ug/l)											
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0635)	ND(0.0645)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Dec 2009 / Jan 2010							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	271-B01/W01(A) DUP	272-B01/W01 (A)	272-B05/W05	272-B08/W08	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0918508-01	L0918508-05	L0918508-06	L0918425-04	L0918325-03	L0918325-04	L0918425-05	L0918425-06
DATE	GW-3	Standard	18-Dec-09	18-Dec-09	18-Dec-09	17-Dec-09	16-Dec-09	16-Dec-09	17-Dec-09	17-Dec-09
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Duplicate of 271-B01/W01 (A)	Field Filtered	Field Filtered	Field Filtered	Field Filtered	Field Filtered
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.0645)	ND(0.067)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- Jul 2009							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	271-B01/W01 (A) DUP	272-B01/W01 (A)	272-B05/W05	272-B08/W08	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0909094-01	L0909094-04	L0909094-05	L0908983-03	L0909094-02	L0909094-03	L0908983-02	L0908983-01
DATE	GW-3	Standard	7-Jul-09	7-Jul-09	7-Jul-09	6-Jul-09	7-Jul-09	7-Jul-09	6-Jul-09	6-Jul-09
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	2 to 12	5 to 15
NOTES					Duplicate of 271-B01/W01 (A)					
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1221	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1232	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1248	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1254	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.142)	ND (0.058)
Aroclor 1260	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1262	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Aroclor 1268	10.0	0.5	ND (0.0575)	ND (0.0515)	ND (0.053)	ND (0.0525)	ND (0.0515)	ND (0.055)	ND (0.057)	ND (0.058)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Jul 2009							
SAMPLE DESIGNATION	MCP	EPA	221-B01/W01	271-B01/W01 (A)	271-B01/W01(A) DUP	272-B01/W01 (A)	272-B05/W05	272-B08/W08	274-B02/W02	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0909094-06	L0909094-09	L0909094-10	L0908983-06	L0909094-07	L0909094-08	L0908983-05	L0908983-04
DATE	GW-3	Standard	7-Jul-09	7-Jul-09	7-Jul-09	6-Jul-09	7-Jul-09	7-Jul-09	6-Jul-09	6-Jul-09
SCREEN DEPTH (FT.)	Standard		5 to 15	5 to 15	5 to 15	2 to 12	5 to 15	5 to 15	2 to 12	5 to 15
NOTES			Field Filtered	Field Filtered	Duplicate of 271-B01/W01 (A)	Field Filtered	Field Filtered	Field Filtered	Field Filtered	Field Filtered
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1221	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1232	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1248	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1254	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1260	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1262	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Aroclor 1268	10.0	0.5	ND (0.057)	ND (0.05)	ND (0.0525)	ND (0.0575)	ND (0.0555)	ND (0.061)	ND (0.058)	ND (0.055)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- Nov 2008							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	271-B01/W01(A) DUP	272-B01/W01 (A)	272 B05/W05	274-B02/W02	221-B01/W01	272 B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0817502-03	L0817502-04	L0817584-01	L0817502-01	L0817584-03	L0817584-06	L0817502-02	L0818683-01
DATE	GW-3	Standard	24-Nov-08	24-Nov-08	26-Nov-08	24-Nov-08	26-Nov-08	26-Nov-08	24-Nov-08	17-Dec-08
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	2 to 12	5 to 15	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271-B01/W01(A) DUP						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.456	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.333	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	**0.789**	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Nov 2008						
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	271-B01/W01 (A) Dup	272-B01/W01 (A)	272 B05/W05	274-B02/W02	272 B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0817502-07	L0817502-08	L0817584-02	L0817502-05	L0817584-04	L0817502-06	L0817584-05
DATE	GW-3	Standard	24-Nov-08	24-Nov-08	26-Nov-08	24-Nov-08	26-Nov-08	24-Nov-08	26-Nov-08
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	2 to 12	5 to 15	2 to 12	5 to 15	5 to 15
NOTES				271-B01/W01 (A) Dup					
PCBs (ug/l)									
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- May 2008							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	272 B05/W05	272-B01/W01 (A)	274-B02/W02	221-B01/W01	272 B08/W08	272 B08/W08 Dup	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0807293-04	L0807533-06	L0807293-03	L0807533-02	L0809934-02	L0807293-01	L0807293-02	L0807533-04
DATE	GW-3	Standard	19-May-08	21-May-08	19-May-08	21-May-08	3-Jul-08	19-May-08	19-May-08	21-May-08
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15	5 to 15
NOTES									272 B08/W08 Dup	
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.066)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- May 2008							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	272 B05/W05	272-B01/W01 (A)	274-B02/W02	221-B01/W01	272 B08/W08	272 B08/W08 Dup	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0807293-08	L0807533-05	L0807293-07	L0807533-01	L0809934-01	L0807293-05	L0807293-06	L0807533-03
DATE	GW-3	Standard	19-May-08	21-May-08	19-May-08	21-May-08	1-Jul-08	19-May-08	19-May-08	22-May-08
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15	5 to 15
NOTES									272 B08/W08 Dup	
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05) UJ	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05) UJ	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05) UJ	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05) UJ	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05) UJ	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.078)	ND(0.05) UJ	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- Nov 2007							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	2711 B01/X01	272 B05/W05	272-B01/W01 (A)	274-B02/W02	221-B01/W01	272 B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0717223-05 R	L0717223-07 R	L0717126-03 R	L0717126-01 R	L0717223-03 R		L0717126-05 R	L0717223-01 R
DATE	GW-3	Standard	16-Nov-07	16-Nov-07	15-Nov-07	15-Nov-07	16-Nov-07	15-Nov-07	15-Nov-07	16-Nov-07
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	**2.1 J**	-	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	**1.35 J**	-	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	**3.45 J**	-	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Nov 2007							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	2711 B01/X01	272 B05/W05	272-B01/W01 (A)	274-B02/W02	221-B01/W01	272 B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0717223-06 R	L0717223-08 R	L0717126-04 R	L0717126-02 R	L0717223-04 R		L0717126-06 R	L0717223-02 R
DATE	GW-3	Standard	11/16/2007	11/16/2007	11/15/2007	11/15/2007	11/16/2007		15-Nov-07	16-Nov-07
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	-	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05) J	ND(0.05) J	ND(0.05)	ND(0.05)	ND(0.05) J	-	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	-	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- May 2007							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	2711 B01/X01	272 B05/W05	272-B01/W01 (A)	274-B02/W02	221-B01/W01	272 B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0707079-03 R1	L0707079-05 R1	L0707079-07 R1	L0707185-07 R1	L0707185-05 R1	L0707185-01 R1	L0707079-01 R1	L0707185-03 R1
DATE	GW-3	Standard	14-May-07	14-May-07	14-May-07	17-May-07	17-May-07	17-May-07	14-May-07	17-May-07
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.237	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	0.112	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	0.349	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- May 2007							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	2711 B01/X01	272 B05/W05	272-B01/W01 (A)	274-B02/W02	221-B01/W01	272 B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0707079-04	L0707079-06	L0707079-08	L0707185-08 R1	L0707185-06 R1	L0707185-02 R1	L0707079-02	L0707185-04 R1
DATE	GW-3	Standard	14-May-07	14-May-07	14-May-07	17-May-07	17-May-07	17-May-07	14-May-07	17-May-07
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1221	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1232	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1248	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1254	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1260	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1262	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Aroclor 1268	10.0	0.5	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- Nov 2006								
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	272-B05/W05	272-B01/W01(A)	272-B01/W01(A)	2722-B01/X01(A)	274-B02/W02	221-B01/W01	272-B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0616925	L0616925	L0617101	L0618488	L0618488	L0616925	L0616925	L0616925	L0616925
DATE	GW-3	Standard	21-Nov-06	21-Nov-06	28-Nov-06	19-Dec-06	19-Dec-06	22-Nov-06	22-Nov-06	21-Nov-06	22-Nov-06
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	2 to 12	2 to 12	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES							272-B01/W01(A) Dup				
PCBs (ug/l)											
Aroclor 1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	**0.827**	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	ND (0.05)	**0.592**	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	**1.419**	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Nov 2006								
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	272-B05/W05	272-B01/W01(A)	272-B01/W01(A)	2722-B01/X01(A)	274-B02/W02	221-B01/W01	272-B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0616925	L0616925	L0617101	L0618488	L0618488	L0616925	L0616925	L0616925	L0616925
DATE	GW-3	Standard	21-Nov-06	21-Nov-06	28-Nov-06	19-Dec-06	19-Dec-06	22-Nov-06	22-Nov-06	21-Nov-06	22-Nov-06
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	2 to 12	2 to 12	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES							272-B01/W01(A) Dup				
PCBs (ug/l)											
Aroclor 1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- May 2006							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	271-B01/W01(A)(Dup)	272-B05/W05	272-B01/W01(A)	274-B02/W02	221-B01/W01	272-B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0607287	L0607287	L0607287	L0607287	L0607287	L0607287	L0607287	L0607287
DATE	GW-3	Standard	23-May-06	23-May-06	22-May-06	23-May-06	22-May-06	23-May-06	23-May-06	23-May-06
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- May 2006							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	271-B01/W01(A)(Dup)	272-B05/W05	272-B01/W01(A)	274-B02/W02	221-B01/W01	272-B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0607287	L0607287	L0607287	L0607287	L0607287	L0607287	L0607287	L0607287
DATE	GW-3	Standard	23-May-06	23-May-06	22-May-06	23-May-06	22-May-06	23-May-06	23-May-06	23-May-06
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- Dec 2005							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	271-B01/W01(A)(Dup)	272-B05/W05	272-B01/W01(A)	274-B02/W02	221-B01/W01	272-B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0514656	L0514656	L0514656	L0514848	L0514719	L0514719	L0514779	L0514719
DATE	GW-3	Standard	01-Dec-05	01-Dec-05	01-Dec-05	06-Dec-05	02-Dec-05	02-Dec-05	05-Dec-05	02-Dec-05
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271 B01/W01(A) Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.187	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.120	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	0.307	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Dec 2005							
SAMPLE DESIGNATION	MCP	EPA	271-B01/W01(A)	271-B01/W01(A)(Dup)	272-B05/W05	272-B01/W01(A)	274-B02/W02	221-B01/W01	272-B08/W08	CST-B11/W09
LABORATORY REPORT NO.	Method 1	Notification	L0514656	L0514656	L0514656	L0514848	L0514719	L0514719	L0514779	L0514719
DATE	GW-3	Standard	01-Dec-05	01-Dec-05	01-Dec-05	06-Dec-05	02-Dec-05	02-Dec-05	05-Dec-05	02-Dec-05
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15	5 to 15
NOTES				271-B01/W01(A)(Dup)						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- May 2005							
SAMPLE DESIGNATION	MCP	EPA	272/B01 W01A	221-B01/W01	272-B05/W05	271-B01/W01A	274-B02/W02	274-B02/W02 Dup	272-B08/W08	CST-B11-W09
LABORATORY REPORT NO.	Method 1	Notification	L0504766	L0504921	L0504843	L0504766	L0504766	L0504921	L0504766	L0504766
DATE	GW-3	Standard	03-May-05	05-May-05	04-May-05	03-May-05	03-May-05	05-May-05	03-May-05	03-May-05
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	5 to 15	2 to 12	2 to 12	2 to 12	5 to 15	5 to 15
NOTES								274-B02/W02 Dup		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	**0.456**	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	**0.434**	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	**0.890**	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- May 2005							
SAMPLE DESIGNATION	MCP	EPA	272/B01 W01A	221-B01/W01	272-B05/W05	271-B01/W01A	274-B02/W02	274-B02/W02 Dup	272-B08/W08	CST-B11-W09
LABORATORY REPORT NO.	Method 1	Notification	L0504766	L0504921	L0504843	L0504766	L0504766	L0504921	L0504766	L0504766
DATE	GW-3	Standard	03-May-05	05-May-05	04-May-05	03-May-05	03-May-05	05-May-05	03-May-05	03-May-05
SCREEN DEPTH (FT.)	Standard		2 to 12	5 to 15	5 to 15	2 to 12	2 to 12	2 to 12	5 to 15	5 to 15
NOTES								274-B02/W02 Dup		
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242/1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1262	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1268	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Unfiltered- April 2004							
SAMPLE DESIGNATION	MCP	EPA	272/B01 W01A	B-1 OW	221-B01/W01	272-B05/W05	271-B01/W01A	274-B02/W02A	272-B08/W08	CST-B11-W09
LABORATORY REPORT NO.	Method 1	Notification	L0404526	L0404526	L0404526	L0404526	L0404526	L0404568	L0404932	L0404932
DATE	GW-3	Standard	30-Apr-04	30-Apr-04	30-Apr-04	30-Apr-04	30-Apr-04	03-May-04	11-May-04	11-May-04
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15
NOTES				B272-B01/W01A Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0505)	ND (0.051)
Aroclor 1262	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1268	10.0	0.5	-	-	-	-	-	-	-	-
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE I
SUMMARY OF GROUNDWATER DATA - PCB BIANNUAL SAMPLING
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

			Filtered- Apr 2004							
SAMPLE DESIGNATION	MCP	EPA	272/B01 W01A	B1 OW	221-B01/W01	272-B05/W05	271-B01/W01A	274-B02/W02A	272-B08/W08	CST-B11-W09
LABORATORY REPORT NO.	Method 1	Notification	L0404526	L0404526	L0404526	L0404526	L0404526	L0404568	L0404932	L0404932
DATE	GW-3	Standard	30-Apr-04	30-Apr-04	30-Apr-04	30-Apr-04	30-Apr-04	03-May-04	11-May-04	11-May-04
SCREEN DEPTH (FT.)	Standard		2 to 12	2 to 12	5 to 15	5 to 15	2 to 12	2 to 12	5 to 15	5 to 15
NOTES				B272-B01/W01A Dup						
PCBs (ug/l)										
Aroclor 1016	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1221	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1232	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1242/1016	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1242	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1248	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1254	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1260	10.0	0.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.0515)	ND (0.0505)
Aroclor 1262	10.0	0.5	-	-	-	-	-	-	-	-
Aroclor 1268	10.0	0.5	-	-	-	-	-	-	-	-
Total PCBs	10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND

ABBREVIATIONS:
ND(2.5): Not detected; number in parentheses is one-half the laboratory detection limit
"J" indicates detected values or reporting limit is estimated.
"UJ" indicates that the detection limit is estimated.

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate an exceedance of EPA Site-Specific Notification Standard.
3. Monitoring well 272-B05/W05 could not be sampled during this monitoring period due to an obstruction in the well.

TABLE II
SUMMARY OF GROUNDWATER DATA - SITE CHARACTERIZATION
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

LOCATION ID	MCP	A12A	A12A	C13	C20	E7	E7	G15	I17	K11	L14A	M7	M15	M15	N17A	R3	R3	R13A
SAMPLE DESIGNATION	RCGW-2	A12(OW)-042211	A120(OW)-042211	C1310072010	C2010072010	E710072010	DUP10072010	G15-042011	I1710062010	K11-042111	L14-042111	M7-042111	M1510062010	M15(OW)-021811	N17-021711	R310072010	R3-042111	R1310062010
SDG	Reportable	141399	141399	136907	136907	136907	136907	141345	136865	141400	141400	141400	136865	139853	139818	136907	141400	136865
SAMPLE DATE	Concentrations	4/22/2011	4/22/2011	10/7/2010	10/7/2010	10/7/2010	10/7/2010	4/20/2011	10/6/2010	4/21/2011	4/21/2011	4/21/2011	10/6/2010	2/18/2011	2/17/2011	10/7/2010	4/21/2011	10/6/2010
Volatile Organic Compounds (ug/L)																		
1,3-Dichlorobenzene	2000	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
1,4-Dichlorobenzene	200	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
Benzene	2000	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
Chlorobenzene	200	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
Naphthalene	1000	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
Total VOCs	NA	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
Semi-Volatile Organic Compounds (ug/L)																		
2-Methylnaphthalene	2000	ND (0.2)	ND (0.2)	ND (5)	ND (5)	ND (5)	ND (5)	1.4	ND (5)	0.5	1.4	0.4	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Acenaphthene	6000	0.9	0.8	ND (5)	ND (5)	ND (5)	ND (5)	1.4	ND (5)	0.2	1.2	0.8	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Benzo(a)anthracene	1000	0.2	0.2	ND (5)	ND (5)	ND (5)	ND (5)	1.8	ND (5)	0.6	0.8	ND (0.1)	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Benzo(a)pyrene	500	ND (0.1)	ND (0.1)	ND (5)	ND (5)	ND (5)	ND (5)	2	ND (5)	0.7	0.7	ND (0.1)	ND (5)	0.1	ND (5)	ND (5)	-	ND (5)
Benzo(b)fluoranthene	400	ND (0.1)	ND (0.1)	ND (5)	ND (5)	ND (5)	ND (5)	2.3	ND (5)	0.9	1	ND (0.1)	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Benzo(g,h,i)perylene	20	ND (0.1)	ND (0.1)	ND (5)	ND (5)	ND (5)	ND (5)	0.8	ND (5)	0.3	0.2	ND (0.1)	ND (5)	ND (0.1)	ND (5)	ND (5)	-	ND (5)
Benzo(k)fluoranthene	100	ND (0.1)	ND (0.1)	ND (5)	ND (5)	ND (5)	ND (5)	0.7	ND (5)	0.3	0.3	ND (0.1)	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Chrysene	70	0.2	0.1	ND (5)	ND (5)	ND (5)	ND (5)	1.6	ND (5)	0.6	0.7	ND (0.1)	ND (5)	0.1	ND (5)	ND (5)	-	ND (5)
Dibenzo(a,h)anthracene	40	ND (0.1)	ND (0.1)	ND (5)	ND (5)	ND (5)	ND (5)	0.3	ND (5)	0.1	ND (0.1)	ND (0.1)	ND (5)	ND (0.1)	ND (5)	ND (5)	-	ND (5)
Fluoranthene	200	0.5	0.4	ND (5)	ND (5)	ND (5)	ND (5)	3.3	ND (5)	1.3	2.4	0.3	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Fluorene	40	0.4	0.3	ND (5)	ND (5)	ND (5)	ND (5)	1.2	ND (5)	0.3	0.9	0.6	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Indeno(1,2,3-cd)pyrene	100	ND (0.1)	ND (0.1)	ND (5)	ND (5)	ND (5)	ND (5)	1.1	ND (5)	0.4	0.3	ND (0.1)	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Naphthalene	1000	ND (0.2)	ND (0.2)	ND (5)	ND (5)	ND (5)	ND (5)	3.3	ND (5)	0.9	5.4	2.1	14	1.8	ND (5)	ND (5)	-	ND (5)
Pentachlorophenol	200	ND (1.1)	ND (1.1)	ND (5)	ND (5)	ND (5)	ND (5)	ND (1)	ND (5)	1.2	ND (1)	ND (1)	ND (5)	ND (11)	ND (11)	ND (5)	-	ND (5)
Phenanthrene	10000	0.3	0.3	ND (5)	ND (5)	ND (5)	ND (5)	3.9	ND (5)	0.9	2.6	1	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Pyrene	20	3.2	2.8	ND (5)	ND (5)	ND (5)	ND (5)	3	ND (5)	1	1.8	0.2	ND (5)	ND (0.6)	ND (5)	ND (5)	-	ND (5)
Dissolved Metals (ug/L)																		
Antimony	8000	-	-	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	-	-	-	ND (60)	ND (60)	ND (60)	ND (60)	-	ND (60)
Arsenic	900	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Barium	50000	-	-	450	260	320	340	810	430	140	280	440	250	240	90	90	ND (50)	120
Beryllium	200	-	-	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Cadmium	4	-	-	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**	**ND (4)**
Chromium	300	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Lead	10	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Mercury	20	-	-	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel	200	-	-	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Selenium	100	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Silver	7	-	-	**ND (7)**	**ND (7)**	**ND (7)**	**ND (7)**	**ND (7)**	**ND (7)**	**ND (7)**	**9**	**ND (7)**	**ND (7)**	**ND (9)**	**ND (20)**	**21**	**ND (7)**	**ND (7)**
Thallium	3000	-	-	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-	-	-	ND (20)	ND (20)	ND (20)	ND (20)	-	ND (20)
Vanadium	4000	-	-	ND (10)	ND (10)	ND (10)	ND (10)	20	ND (10)	ND (10)	10	10	ND (10)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)
Zinc	900	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	70	110	ND (50)	ND (50)	ND (50)	ND (50)	780
PCBs (ug/L)																		
Aroclor 1254	5	ND (0.2)	ND (0.2)	-	-	-	-	ND (0.2)	-	4	1.5	ND (0.2)	-	-	ND (0.2)	-	-	-
Aroclor 1260	5	ND (0.2)	ND (0.2)	-	-	-	-	ND (0.2)	-	2.8	2	ND (0.2)	-	-	ND (0.2)	-	-	-
Total PCBs	5	ND	ND	-	-	-	-	ND	-			ND	-	-	ND	-	-	-
EPH (ug/L)																		
C11-C22 AROMATICS, ADJUSTED	5000	130	110	ND (120)	ND (120)	ND (120)	ND (160)	120	ND (120)	270	230	ND (100)	ND (130)	ND (140)	ND (110)	ND (120)	-	ND (120)
C19-C36 ALIPHATICS	50000	ND (100)	ND (110)	ND (120)	ND (120)	ND (120)	ND (160)	ND (100)	ND (120)	280	210	ND (100)	140	ND (140)	ND (110)	ND (120)	-	ND (120)
C9-C18 ALIPHATICS	5000	ND (100)	ND (110)	ND (120)	ND (120)	ND (120)	ND (160)	110	ND (120)	ND (110)	ND (100)	ND (100)	ND (130)	ND (140)	ND (110)	ND (120)	-	ND (120)
VPH (ug/L)																		
C5-C8 ALIPHATICS, ADJUSTED	3000	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	1500	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)	ND (40)	ND (20)	-	ND (20)
C9-C10 AROMATICS	7000	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	670	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)	ND (40)	ND (20)	-	ND (20)
C9-C12 ALIPHATICS ADJUSTED	5000	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	400	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)	ND (40)	ND (20)	-	ND (20)
Methyl Tert-Butyl Ether	5000	-	-	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)	-	-	-	ND (5)	-	-	ND (5)	-	ND (5)
Benzene	2000	-	-	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (1)	-	-	-	ND (1)	-	-	ND (1)	-	ND (1)
Toluene	40000	-	-	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)	-	-	-	ND (5)	-	-	ND (5)	-	ND (5)
Ethylbenzene	5000	-	-	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)	-	-	-	ND (5)	-	-	ND (5)	-	99
m/p-Xylene	5000	-	-	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)	-	-	-	ND (5)	-	-	ND (5)	-	ND (5)
o-Xylene	5000	-	-	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)	-	-	-	ND (5)	-	-	ND (5)	-	ND (5)
Naphthalene	1000	-	-	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)	-	-	-	12	-	-	ND (5)	-	ND (5)

ABBREVIATIONS:
NA: Not Applicable
ND (2.5) - Result was not detected above reporting limit (shown in parentheses)
- : Not analyzed

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. Bold values indicate and exceedance of RCGW-2 criteria.

TABLE II
SUMMARY OF GROUNDWATER DATA - SITE CHARACTERIZATION
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

LOCATION ID	MCP	R13A	S8	W16
SAMPLE DESIGNATION	RCGW-2	R13A(OW)-021711	S8(OW)-021811	W16(OW)-021811
SDG	Reportable	139818	139853	139853
SAMPLE DATE	Concentrations	2/17/2011	2/18/2011	2/18/2011
Volatile Organic Compounds (ug/L)				
1,3-Dichlorobenzene	2000	3	-	-
1,4-Dichlorobenzene	200	8	-	-
Benzene	2000	12	-	-
Chlorobenzene	200	**350**	-	-
Naphthalene	1000	ND (3)	-	-
Total VOCs	NA	373	-	-
Semi-Volatile Organic Compounds (ug/L)				
2-Methylnaphthalene	2000	-	ND (0.5)	ND (0.5)
Acenaphthene	6000	-	ND (0.5)	ND (0.5)
Benzo(a)anthracene	1000	-	ND (0.5)	ND (0.5)
Benzo(a)pyrene	500	-	ND (0.1)	ND (0.1)
Benzo(b)fluoranthene	400	-	ND (0.5)	ND (0.5)
Benzo(g,h,i)perylene	20	-	ND (0.1)	ND (0.1)
Benzo(k)fluoranthene	100	-	ND (0.5)	ND (0.5)
Chrysene	70	-	ND (0.1)	ND (0.1)
Dibenzo(a,h)anthracene	40	-	ND (0.1)	ND (0.1)
Fluoranthene	200	-	ND (0.5)	ND (0.5)
Fluorene	40	-	ND (0.5)	ND (0.5)
Indeno(1,2,3-cd)pyrene	100	-	ND (0.5)	ND (0.5)
Naphthalene	1000	-	ND (0.5)	ND (0.5)
Pentachlorophenol	200	-	ND (11)	ND (11)
Phenanthrene	10000	-	ND (0.5)	ND (0.5)
Pyrene	20	-	ND (0.5)	ND (0.5)
Dissolved Metals (ug/L)				
Antimony	8000	ND (60)	ND (60)	ND (60)
Arsenic	900	ND (10)	ND (10)	ND (10)
Barium	50000	1100	750	69
Beryllium	200	ND (4)	ND (4)	ND (4)
Cadmium	4	4	**ND (4)**	**ND (4)**
Chromium	300	ND (10)	ND (10)	ND (10)
Lead	10	ND (5)	ND (5)	ND (5)
Mercury	20	ND (0.2)	ND (0.2)	ND (0.2)
Nickel	200	ND (40)	ND (40)	ND (40)
Selenium	100	ND (50)	ND (50)	ND (50)
Silver	7	**ND (7)**	**ND (7)**	**ND (9)**
Thallium	3000	ND (20)	ND (20)	ND (20)
Vanadium	4000	ND (20)	ND (20)	ND (10)
Zinc	900	ND (50)	ND (50)	ND (50)
PCBs (ug/L)				
Aroclor 1254	5	-	ND (0.2)	ND (0.2)
Aroclor 1260	5	-	ND (0.2)	ND (0.2)
Total PCBs	5	-	ND	ND
EPH (ug/L)				
C11-C22 AROMATICS, ADJUSTED	5000	ND (130)	ND (100)	ND (110)
C19-C36 ALIPHATICS	50000	ND (130)	ND (100)	ND (110)
C9-C18 ALIPHATICS	5000	ND (130)	ND (100)	ND (110)
VPH (ug/L)				
C5-C8 ALIPHATICS, ADJUSTED	3000	ND (40)	ND (20)	ND (20)
C9-C10 AROMATICS	7000	ND (40)	ND (20)	ND (20)
C9-C12 ALIPHATICS ADJUSTED	5000	ND (40)	ND (20)	ND (20)
Methyl Tert-Butyl Ether	5000	-	-	-
Benzene	2000	-	-	-
Toluene	40000	-	-	-
Ethylbenzene	5000	-	-	-
m/p-Xylene	5000	-	-	-
o-Xylene	5000	-	-	-
Naphthalene	1000	-	-	-

ABBREVIATIONS:
NA: Not Applicable
ND (2.5) - Result was not detected above reporting limit (shown in parenth
- : Not analyzed

NOTES:
1. This table includes only those compounds detected on the dates indicat
2. Bold values indicate and exceedance of RCGW-2 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A5	A5	A5	A5	A5	A5	A6	A6	A6	A6	A6	A7	A7	A7	A8	A8	A8	A8	A8	A8	A9	A9	A9	A9	A9	A9	A10
Sample Name			A5_S1_0.3-5.9	A5_S3_0.3-1.9	A5_S4_1.9-3.9	A5_S5_3.9-5.9	A5_S2_5.9-7.9	A5_S6_5.9-7.9	A6_S1_1.7-5.9	A6_S3_1.9-3.9	A6_S4_3.9-5.9	A6_S2_5.9-7.9	A6_S5_5.9-7.9	A7_S1_0.6-2.1	A7_S2_2.1-4.1	A7_S3_4.1-6.1	A8_S1_0.6-6.2	A8_S3_0.6-2.2	A8_S4_2.2-4.2	A8_S5_4.2-6.2	A8_S2_6.2-8.2	A8_S6_6.2-8.2	A9_S1_0.7-6.3	A9_S3_0.7-2.3	A9_S4_2.3-4.3	A9_S5_4.3-6.3	A9_S2_6.3-8.3	A9_S6_6.3-8.3	A10_S1_0.4-6.3
Sample Date			02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15B0241-01 15B0451-01	15B0241-03	15B0241-04	15B0241-05	15B0241-02	15B0241-06	15B0245-01 15B0454-01	15B0245-03	15B0245-04	15B0245-02 15B0245-02RE1 15B0454-02	15B0245-05	15B0248-01	15B0248-02	15B0248-03	15B0244-01 15B0244-01RE1 15B0244-01RE2	15B0244-03	15B0244-04	15B0244-05	15B0244-02 15B0453-01	15B0244-06	15B0243-01 15B0452-01	15B0243-03	15B0243-04	15B0243-05	15B0243-02 15B0452-02	15B0243-06	15B0246-01 15B0455-01
Sample Depth (bgs)			0.3 - 5.9 (ft)	0.3 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	1.7 - 5.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	0.6 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.6 - 6.2 (ft)	0.6 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	6.2 - 8.2 (ft)	0.7 - 6.3 (ft)	0.7 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	6.3 - 8.3 (ft)	0.4 - 6.3 (ft)
Sample Elevation (ft BCB)			17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10	12 to 10	17.5 to 16	16 to 14	14 to 12	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.9 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-	-	-	ND (0.0023)	-	ND (0.0026)
1,2,4-Trichlorobenzene	2	NA	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-	-	-	ND (0.0023)	-	ND (0.0026)
1,2,4-Trimethylbenzene	1000	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	0.003	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
1,2-Dichlorobenzene	9	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	0.0017	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
1,3-Dichlorobenzene	3	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
1,4-Dichlorobenzene	0.7	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Acetone	6	NA	ND (0.07)	-	-	-	ND (0.067)	-	ND (0.11)	-	-	ND (0.16)	-	-	-	-	0.1	-	-	-	ND (0.087)	-	ND (0.067)	-	-	-	ND (0.059)	-	ND (0.065)
Benzene	2	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Chlorobenzene	1	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Chloroform (Trichloromethane)	0.2	NA	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-	-	-	ND (0.0023)	-	ND (0.0026)
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Ethylbenzene	40	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Isopropylbenzene	1000	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
m,p-Xylenes	NA	NA	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-	-	-	ND (0.0023)	-	ND (0.0026)
Methyl Tert Butyl Ether	0.1	NA	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-	-	-	ND (0.0023)	-	ND (0.0026)
Methylene chloride	0.1	NA	ND (0.007)	-	-	-	ND (0.0067)	-	ND (0.011)	-	-	ND (0.016)	-	-	-	-	ND (0.0084)	-	-	-	ND (0.0087)	-	ND (0.0067)	-	-	-	ND (0.0059)	-	ND (0.0065)
Naphthalene	4	NA	ND (0.007)	-	-	-	ND (0.0067)	-	ND (0.011)	-	-	ND (0.016)	-	-	-	-	0.019	-	-	-	ND (0.0087)	-	ND (0.0067)	-	-	-	ND (0.0059)	-	ND (0.0065)
n-Propylbenzene	100	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
o-Xylene	NA	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Styrene	3	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Tetrachloroethene	1	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Toluene	30	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
Trichloroethene	0.3	NA	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0013)
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	ND	-	ND	-	-	ND	-	-	-	-	0.1237	-	-	-	ND	-	ND	-	-	-	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	ND (1.5)	-	-	-	**ND (3.9)**	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
1,2-Dichlorobenzene	9	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
1,3-Dichlorobenzene	3	NA	ND (1.5)	-	-	-	**ND (3.9)**	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
1,4-Dichlorobenzene	0.7	NA	**ND (1.5)**	-	-	-	**ND (3.9)**	-	**ND (1.5)**	-	-	**ND (1.7)**	-	-	-	-	ND (0.39)	-	-	-	**ND (0.76)**	-	**ND (0.78)**	-	-	-	**ND (0.74)**	-	**ND (0.76)**
2,4-Dimethylphenol	0.7	NA	**ND (1.5)**	-	-	-	**ND (3.9)**	-	**ND (1.5)**	-	-	**ND (1.7)**	-	-	-	-	ND (0.39)	-	-	-	**ND (0.76)**	-	**ND (0.78)**	-	-	-	**ND (0.74)**	-	**ND (0.76)**
2,4-Dinitrotoluene	0.7	NA	**ND (1.5)**	-	-	-	**ND (3.9)**	-	**ND (1.5)**	-	-	**ND (1.7)**	-	-	-	-	ND (0.39)	-	-	-	**ND (0.76)**	-	**ND (0.78)**	-	-	-	**ND (0.74)**	-	**ND (0.76)**
2,6-Dinitrotoluene	NA	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
2-Chloronaphthalene	1000	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
2-Methylnaphthalene	0.7	NA	**ND (0.75)**	-	-	-	**ND (2)**	-	**ND (0.76)**	-	-	**ND (0.83)**	-	-	-	-	0.22	-	-	-	0.69	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.38)
2-Methylphenol	500	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
3&4-Methylphenol	NA	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	0.81	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Acenaphthene	4	NA	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.66	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (0.37)	-	0.63
Acenaphthylene	1	NA	ND (0.75)	-	-	-	**ND (2)**	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	ND (0.2)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.38)
Acetophenone	NA	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Aniline	NA	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Anthracene	1000	NA	ND (0.75)	-	-	-	ND (2)	-	1.6	-	-	0.86	-	-	-	-	2.5	-	-	-	0.95	-	0.75	-	-	-	0.47	-	1.3
Benzo(a)anthracene	7	NA	ND (0.75)	-	-	-	**15**	-	3.4	-	-	**33**	-	-	-	-	4.3	-	-	-	2	-	1.9	-	-	-	2.1	-	3
Benzo(a)pyrene	2	NA	ND (0.75)	-	-	-	**5.2**	-	**3.1**	-	-	**11**	-	-	-	-	**3.3**	-	-	-	1.6	-	1.7	-	-	-	**2**	-	**2.3**
Benzo(b)fluoranthene	7	NA	ND (0.75)	-	-	-	**9.7**	-	3.2	-	-	**19**	-	-	-	-	4	-	-	-	2	-	2.1	-	-	-	2.1	-	3.3
Benzo(g,h,i)perylene	1000	NA	ND (0.75)	-	-	-	4.1	-	2.2	-	-	8.7	-	-	-	-	1.7	-	-	-	0.8	-	0.91	-	-	-	1.1	-	0.87
Benzo(k)fluoranthene	70	NA	ND (0.75)	-	-	-	ND (2)	-	1.4	-	-	2.6	-	-	-	-	1.4	-	-	-	0.81	-	0.93	-	-	-	0.85	-	1.7
bis(2-Ethylhexyl)phthalate	90	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	2.3	-	-	-	ND (0.74)	-	ND (0.76)
Butyl benzylphthalate	100	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	ND (0.75)	-	-	-	30	-	3.7	-	-	63	-	-	-	-	4.1	-	-	-	2	-	2	-	-	-	2.1	-	2.8
Dibenz(a,h)anthracene	0.7	NA	**ND (0.75)**	-	-	-	**6**	-	**1**	-	-	**13**	-	-	-	-	0.5	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.38)
Dibenzofuran	100	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	0.5	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Diethyl phthalate	10	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Di-n-butylphthalate	50	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Di-n-octyl phthalate	1000	NA	ND (3)	-	-	-	ND (7.7)	-	ND (3)	-	-	ND (3.3)	-	-	-	-	ND (0.77)	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	ND (1.4)	-	ND (1.5)
Fluoranthene	1000	NA	0.91	-	-	-	3.4	-	5.5	-	-	7.8	-	-	-	-	8.2	-	-	-	4.1	-	3.7	-	-	-	3.4	-	6.1
Fluorene	1000	NA	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.76	-	-	-	0.46	-	ND (0.39)	-	-	-	ND (0.37)	-	0.43
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.75)	-	-	-	ND (2)	-	1.5	-	-	2.3	-	-	-	-	1.9	-	-	-	0.79	-	0.93	-	-	-	1	-	0.99
Isophorone	100	NA	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Naphthalene	4	NA	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.34	-	-	-	1.6	-	ND (0.39)	-	-	-	ND (0.37)	-	0.44
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (1.5)	-	-	-	**ND (3.9)**	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Phenanthrene	10	NA	0.91	-	-	-	3.6	-	6.6	-	-	6.1	-	-	-	-	8.6	-	-	-	3.6	-	3	-	-	-	2.6	-	6.2
Phenol	1	NA	**ND (1.5)**	-	-	-	**ND (3.9)**	-	**ND (1.5)**	-	-	**ND (1.7)**	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-	-	-	ND (0.74)	-	ND (0.76)
Pyrene	1000	NA	1.2	-	-	-	4.9	-	6.9	-	-	9.6	-	-	-	-	8.4	-	-	-	4.5	-	4.4	-	-	-	4.8	-	6.5
SUM of Semi-Volatile Organic Compounds	NA	NA	3.02	-	-	-	81.9	-	40.1	-	-	176.96	-	-	-	-	51.38	-	-	-	26.71	-	24.62	-	-	-	22.52	-	36.56

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A5	A5	A5	A5	A5	A5	A6	A6	A6	A6	A6	A7	A7	A7	A8	A8	A8	A8	A8	A8	A9	A9	A9	A9	A9	A9	A10
Sample Name			A5_S1_0.3-5.9	A5_S3_0.3-1.9	A5_S4_1.9-3.9	A5_S5_3.9-5.9	A5_S2_5.9-7.9	A5_S6_5.9-7.9	A6_S1_1.7-5.9	A6_S3_1.9-3.9	A6_S4_3.9-5.9	A6_S2_5.9-7.9	A6_S5_5.9-7.9	A7_S1_0.6-2.1	A7_S2_2.1-4.1	A7_S3_4.1-6.1	A8_S1_0.6-6.2	A8_S3_0.6-2.2	A8_S4_2.2-4.2	A8_S5_4.2-6.2	A8_S2_6.2-8.2	A8_S6_6.2-8.2	A9_S1_0.7-6.3	A9_S3_0.7-2.3	A9_S4_2.3-4.3	A9_S5_4.3-6.3	A9_S2_6.3-8.3	A9_S6_6.3-8.3	A10_S1_0.4-6.3
Sample Date			02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15B0241-01 15B0451-01	15B0241-03	15B0241-04	15B0241-05	15B0241-02	15B0241-06	15B0245-01 15B0454-01	15B0245-03	15B0245-04	15B0245-02 15B0245-02RE1 15B0454-02	15B0245-05	15B0248-01	15B0248-02	15B0248-03	15B0244-01 15B0244-01RE1 15B0244-01RE2	15B0244-03	15B0244-04	15B0244-05	15B0244-02 15B0453-01	15B0244-06	15B0243-01 15B0452-01	15B0243-03	15B0243-04	15B0243-05	15B0243-02 15B0452-02	15B0243-06	15B0246-01 15B0455-01
Sample Depth (bgs)			0.3 - 5.9 (ft)	0.3 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	1.7 - 5.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	0.6 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.6 - 6.2 (ft)	0.6 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	6.2 - 8.2 (ft)	0.7 - 6.3 (ft)	0.7 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	6.3 - 8.3 (ft)	0.4 - 6.3 (ft)
Sample Elevation (ft BCB)			17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10	12 to 10	17.5 to 16	16 to 14	14 to 12	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.9 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	1700	-	-	-	6500	-	1800	-	-	10000	-	-	-	-	740	-	-	-	820	-	890	-	-	-	460	-	750
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	2.9	-	-	-	5.9	-	5	-	-	9.9	-	-	-	-	3	-	-	-	7.3	-	6	-	-	-	4.7	-	3.1
Barium	1000	NA	39	-	-	-	78	-	99	-	-	100	-	-	-	-	74	-	-	-	530	-	300	-	-	-	150	-	98
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	1	-	-	-	1.3	-	6.1	-	-	1.4	-	-	-	-	1.2	-	-	-	4.1	-	4.4	-	-	-	1.4	-	0.99
Chromium	100	NA	16	-	-	-	15	-	26	-	-	12	-	-	-	-	29	-	-	-	21	-	35	-	-	-	25	-	27
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	72	-	-	-	**350**	-	**600**	-	-	**460**	-	-	-	-	76	-	-	-	**810**	-	**1100**	-	-	-	**740**	-	**270**
Mercury	20	NA	0.12	-	-	-	0.98	-	0.94	-	-	1.4	-	-	-	-	0.4	-	-	-	1.5	-	1.7	-	-	-	1.3	-	0.44
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	ND (5.1)	-	-	-	ND (5.6)	-	ND (5.5)	-	-	ND (6)	-	-	-	-	ND (5.6)	-	-	-	ND (5.4)	-	ND (5.5)	-	-	-	ND (5.2)	-	ND (5.2)
Silver	100	NA	ND (0.51)	-	-	-	ND (0.56)	-	ND (0.55)	-	-	ND (0.6)	-	-	-	-	ND (0.56)	-	-	-	ND (0.54)	-	ND (0.55)	-	-	-	ND (0.52)	-	ND (0.52)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.12	-	-	-	-	-	0.065	-	-	0.25	-	-	-	-	-	-	-	-	0.36	-	0.47	-	-	-	0.35	-	0.034
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.12)	**ND (1.1)**	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	**ND (4.7)**	ND (0.12)	-	ND (0.12)	-
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.12)	**ND (1.1)**	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	**ND (4.7)**	ND (0.12)	-	ND (0.12)	-
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.12)	**ND (1.1)**	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	**ND (4.7)**	ND (0.12)	-	ND (0.12)	-
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.12)	**ND (1.1)**	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	**ND (4.7)**	ND (0.12)	-	ND (0.12)	-
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.12)	**5.1**	ND (0.11)	-	0.16	-	0.19	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	0.16	ND (0.11)	-	ND (0.12)	-	ND (0.11)	**12**	0.21	-	ND (0.12)	-
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.12)	**5.7**	0.14	-	0.22	-	0.29	ND (0.11)	-	ND (0.14)	0.13	0.33	0.13	-	ND (0.11)	0.26	0.11	-	ND (0.12)	-	0.34	**23**	0.4	-	ND (0.12)	-
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.12)	**2.1**	ND (0.11)	-	0.12	-	0.51	ND (0.11)	-	ND (0.14)	0.19	0.8	ND (0.11)	-	ND (0.11)	0.43	0.18	-	ND (0.12)	-	0.28	**12**	0.19	-	ND (0.12)	-
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (4.7)	ND (0.12)	-	ND (0.12)	-
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (4.7)	ND (0.12)	-	ND (0.12)	-
SUM of PCBs	1	NA	-	ND	**12.9**	0.14	-	0.5	-	0.99	ND	-	ND	0.32	**1.13**	0.13	-	ND	0.85	0.29	-	ND	-	0.62	**47**	0.8	-	ND	-
Other																													
Percent Solids, vol. (%wt)	NA	NA	90.6	85.5	90.1	88	86.5	95.6	89.9	89.3	88.9	81.9	72.9	86.7	85.1	90.9	86.9	92.8	85.6	92.7	89.5	85.5	86.7	87.4	85.2	84.9	92.2	83.3	89
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (4)	-	-	-	ND (4)	-	ND (3.9)	-	-	ND (3.9)	-	-	-	-	ND (3.9)	-	-	-	ND (4)	-	ND (3.9)	-	-	-	ND (3.9)	-	ND (4)
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	-	-	-	ND (20)	-	ND (19)	-	-	ND (20)	-	-	-	-	ND (19)	-	-	-	ND (20)	-	ND (19)	-	-	-	ND (19)	-	ND (20)
Oxidation reduction potential (mV)	NA	NA	25	-	-	-	64	-	110	-	-	130	-	-	-	-	75	-	-	-	120	-	93	-	-	-	120	-	70
Ignitability (PA)	NA	NA	NI	-	-	-	NI	-	NI	-	-	NI	-	-	-	-	NI	-	-	-	NI	-	NI	-	-	-	NI	-	NI
pH Corrosivity (pH units)	NA	NA	11	-	-	-	7.8	-	9.2	-	-	7.3	-	-	-	-	12	-	-	-	8.6	-	10	-	-	-	7.7	-	11
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A10	A10	A11	A11	A11	A11A	A11A	A11A	A11A	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12A	A12A	A12A	A13	A13	A13	A13
Sample Name			A10_S2_0.4-2.3	A10_S3_2.3-4.3	A11_S1_4-9	A11_S2_9-14	A11_S3_14-19	A11A_S1_1.2-2.2	A11A_S2_2.2-4.2	A11A_S3_4.2-6.2	A11A_S4_6.2-8.2	A12_S1_0.5-2.2	A12_S2_4-6	A12_S6_4-14	A12_S3_8-10	A12_S4_10-12	A12_S5_12-14	A12_S7_14-16	A12_S8_16-18	A12_S9_18-20	A12_S10_20-22	A12A_S1_4-9	A12a_S2_9-14	A12a_S3_14-19	A13_S1_0.5-3.5	A13_S2_5.5-7.5	A13_S7_5.5-15.5	A13_S3_7.5-9.5
Sample Date			02/06/2015	02/06/2015	12/28/2010	12/28/2010	12/28/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010	12/28/2010	12/28/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			138838-12 138838-18 138838-24	138838-13 138838-19 138838-25	138838-14 138838-20 138838-26 139023-4					134855-39 134855-47		134855-43 134855-48 134855-54								138838-15 138838-21 138838-9	138838-10 138838-16 138838-22RA1	138838-11 138838-17 138838-23	134855-40 134855-49		134855-44 134855-50 134855-56	
Lab Sample ID			15B0246-02	15B0246-03	139023-2	139023-3	139023-7	15K1346-16	15K1346-17	15K1346-18	15K1346-19	134855-53	134855-24	135059-3	134855-25	134855-26	134855-27	134855-28	134855-29	134855-30	134855-31	139023-1	139023-5	139023-6	134855-55	134855-32	135059-4	134855-33
Sample Depth (bgs)			0.4 - 2.3 (ft)	2.3 - 4.3 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	0.5 - 2.2 (ft)	4 - 6 (ft)	4 - 14 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	0.5 - 3.5 (ft)	5.5 - 7.5 (ft)	5.5 - 15.5 (ft)	7.5 - 9.5 (ft)
Sample Elevation (ft BCB)			17.9 to 16	16 to 14	14.2 to 9.2	9.2 to 4.2	4.2 to -0.8	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 15.8	14 to 12	14 to 4	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.1 to 9.1	9.1 to 4.1	4.1 to -0.9	17 to 14	12 to 10	12 to 2	10 to 8
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	ASPHALT/FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Acetone	6	NA	-	-	ND (0.26)	ND (0.29)	ND (0.22)	-	-	-	-	ND (0.2)	-	ND (3.4)	-	-	-	-	-	-	-	ND (0.25)	ND (3.3)	ND (0.24)	ND (0.2)	-	ND (0.28)	-
Benzene	2	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	**5**	-	-	-	-	-	-	-	0.014	1.5	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Chlorobenzene	1	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	**ND (0.34)**	-	-	-	-	-	-	-	ND (0.006)	**ND (0.33)**	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Ethylbenzene	40	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Isopropylbenzene	1000	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
m,p-Xylenes	NA	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	**ND (0.34)**	-	-	-	-	-	-	-	ND (0.006)	**ND (0.33)**	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Methylene chloride	0.1	NA	-	-	ND (0.064)	ND (0.071)	ND (0.054)	-	-	-	-	ND (0.05)	-	**ND (1.4)**	-	-	-	-	-	-	-	ND (0.062)	**ND (1.3)**	ND (0.061)	ND (0.05)	-	ND (0.069)	-
Naphthalene	4	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	0.033	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
n-Propylbenzene	100	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
o-Xylene	NA	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Styrene	3	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Tetrachloroethene	1	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Toluene	30	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-
Trichloroethene	0.3	NA	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	**ND (0.34)**	-	-	-	-	-	-	-	ND (0.006)	**ND (0.33)**	ND (0.006)	ND (0.005)	-	ND (0.007)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	ND	ND	-	-	-	-	0.033	-	5	-	-	-	-	-	-	-	0.014	1.5	ND	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.41	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
2-Methylphenol	500	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
3&4-Methylphenol	NA	NA	-	-	ND (0.4)	0.51	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.54	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Acenaphthene	4	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	1	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.84	0.8	ND (0.35)	-	ND (0.46)	-
Acenaphthylene	1	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Acetophenone	NA	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Aniline	NA	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Anthracene	1000	NA	-	-	0.77	ND (0.44)	0.44	-	-	-	-	2.1	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	1.4	0.94	ND (0.35)	-	0.81	-
Benzo(a)anthracene	7	NA	-	-	2.6	0.54	0.69	-	-	-	-	2.1	-	ND (0.44)	-	-	-	-	-	-	-	0.85	1.8	0.54	0.67	-	1.4	-
Benzo(a)pyrene	2	NA	-	-	**2.3**	ND (0.44)	0.47	-	-	-	-	1.7	-	ND (0.44)	-	-	-	-	-	-	-	0.83	1.4	ND (0.45)	0.52	-	1.1	-
Benzo(b)fluoranthene	7	NA	-	-	2.8	0.53	0.56	-	-	-	-	2.2	-	ND (0.44)	-	-	-	-	-	-	-	1	1.6	ND (0.45)	0.78	-	1.5	-
Benzo(g,h,i)perylene	1000	NA	-	-	0.75	ND (0.44)	ND (0.38)	-	-	-	-	0.37	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.5	ND (0.45)	ND (0.35)	-	0.9	-
Benzo(k)fluoranthene	70	NA	-	-	0.97	ND (0.44)	ND (0.38)	-	-	-	-	0.76	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.56	ND (0.45)	ND (0.35)	-	0.56	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.4	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Butyl benzylphthalate	100	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Carbazole	NA	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	1.3	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.55	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Chrysene	70	NA	-	-	2.2	0.51	0.67	-	-	-	-	2	-	ND (0.44)	-	-	-	-	-	-	-	0.86	1.6	ND (0.45)	0.69	-	1.2	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Dibenzofuran	100	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.93	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.59	0.58	ND (0.35)	-	ND (0.46)	-
Diethyl phthalate	10	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Di-n-butylphthalate	50	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Fluoranthene	1000	NA	-	-	4.2	1.4	1.4	-	-	-	-	7	-	ND (0.44)	-	-	-	-	-	-	-	1.5	3.6	2.1	1.7	-	3.5	-
Fluorene	1000	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.91	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.69	0.62	ND (0.35)	-	ND (0.46)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	0.9	ND (0.44)	ND (0.38)	-	-	-	-	0.57	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.55	ND (0.45)	ND (0.35)	-	0.83	-
Isophorone	100	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Naphthalene	4	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.98	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	0.47	0.66	ND (0.35)	-	ND (0.46)	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Pentachlorophenol	3	NA	-	-	ND (1.6)	ND (1.7)	ND (1.5)	-	-	-	-	ND (0.7)	-	ND (0.9)	-	-	-	-	-	-	-	ND (1.7)	ND (1.7)	ND (1.8)	ND (0.71)	-	ND (0.92)	-
Phenanthrene	10	NA	-	-	2.6	1.2	1.5	-	-	-	-	9.2	-	ND (0.44)	-	-	-	-	-	-	-	1.4	4.4	2.9	0.99	-	3.4	-
Phenol	1	NA	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-
Pyrene	1000	NA	-	-	3.4	1.1	1.5	-	-	-	-	4.9	-	ND (0.44)	-	-	-	-	-	-	-	1.2	3.1	1.5	1.2	-	2.9	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	23.49	5.79	7.23	-	-	-	-	38.83	-	ND	-	-	-	-	-	-	-	7.64	24.19	10.64	6.55	-	18.1	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A10	A10	A11	A11	A11	A11A	A11A	A11A	A11A	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12A	A12A	A12A	A13	A13	A13	A13
Sample Name			A10_S2_0.4-2.3	A10_S3_2.3-4.3	A11_S1_4-9	A11_S2_9-14	A11_S3_14-19	A11A_S1_1.2-2.2	A11A_S2_2.2-4.2	A11A_S3_4.2-6.2	A11A_S4_6.2-8.2	A12_S1_0.5-2.2	A12_S2_4-6	A12_S6_4-14	A12_S3_8-10	A12_S4_10-12	A12_S5_12-14	A12_S7_14-16	A12_S8_16-18	A12_S9_18-20	A12_S10_20-22	A12A_S1_4-9	A12a_S2_9-14	A12a_S3_14-19	A13_S1_0.5-3.5	A13_S2_5.5-7.5	A13_S7_5.5-15.5	A13_S3_7.5-9.5
Sample Date			02/06/2015	02/06/2015	12/28/2010	12/28/2010	12/28/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010	12/28/2010	12/28/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15B0246-02	15B0246-03	138838-12 138838-18 138838-24 139023-2	138838-13 138838-19 138838-25 139023-3	138838-14 138838-20 138838-26 139023-4 139023-7	15K1346-16	15K1346-17	15K1346-18	15K1346-19	134855-39 134855-47 134855-53	134855-24	134855-43 134855-48 134855-54 135059-3	134855-25	134855-26	134855-27	134855-28	134855-29	134855-30	134855-31	138838-15 138838-21 138838-9 139023-1	138838-10 138838-16 138838-22RA1 139023-5	138838-11 138838-17 138838-23 139023-6	134855-40 134855-49 134855-55	134855-32	134855-44 134855-50 134855-56 135059-4	134855-33
Sample Depth (bgs)			0.4 - 2.3 (ft)	2.3 - 4.3 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	0.5 - 2.2 (ft)	4 - 6 (ft)	4 - 14 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	0.5 - 3.5 (ft)	5.5 - 7.5 (ft)	5.5 - 15.5 (ft)	7.5 - 9.5 (ft)
Sample Elevation (ft BCB)			17.9 to 16	16 to 14	14.2 to 9.2	9.2 to 4.2	4.2 to -0.8	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 15.8	14 to 12	14 to 4	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.1 to 9.1	9.1 to 4.1	4.1 to -0.9	17 to 14	12 to 10	12 to 2	10 to 8
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	ASPHALT/FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	150	64	110	-	-	-	-	130	-	81	-	-	-	-	-	-	-	200	170	ND (26)	310	-	63	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	190	70	120	-	-	-	-	140	-	96	-	-	-	-	-	-	-	250	200	ND (26)	330	-	72	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	60	70	61	-	-	-	-	120	-	88	-	-	-	-	-	-	-	120	160	ND (26)	330	-	69	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (24)	31	ND (23)	-	-	-	-	ND (31)	-	ND (40)	-	-	-	-	-	-	-	ND (26)	43	ND (26)	ND (32)	-	ND (40)	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	3.1	4.8	4.1	-	-	-	-	2.6	-	1.7	-	-	-	-	-	-	-	3.1	5.4	2.3	1.3	-	ND (1.5)	-
Arsenic	20	NA	-	-	6.3	**54**	8.7	-	-	-	-	ND (3.2)	-	**33**	-	-	-	-	-	-	-	**21**	**120**	5.7	ND (3.4)	-	16	-
Barium	1000	NA	-	-	190	**1500**	120	-	-	-	-	30	-	300	-	-	-	-	-	-	-	120	220	55	38	-	270	-
Beryllium	90	NA	-	-	ND (0.37)	ND (0.38)	ND (0.37)	-	-	-	-	ND (0.32)	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	ND (0.4)	ND (0.34)	-	ND (0.44)	-
Cadmium	70	NA	-	-	3.6	1.9	1.4	-	-	-	-	1.2	-	2.3	-	-	-	-	-	-	-	2.9	1.2	1.2	0.84	-	15	-
Chromium	100	NA	-	-	15	24	33	-	-	-	-	19	-	14	-	-	-	-	-	-	-	15	14	30	13	-	17	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	200	NA	-	-	**360**	**720**	170	-	-	-	-	9.9	-	**630**	-	-	-	-	-	-	-	**730**	**1200**	41	29	-	**1300**	-
Mercury	20	NA	-	-	1.3	2.7	2	-	-	-	-	0.041	-	1.9	-	-	-	-	-	-	-	2.2	3	0.26	ND (0.018)	-	2.8	-
Nickel	600	NA	-	-	28	36	20	-	-	-	-	14	-	18	-	-	-	-	-	-	-	21	8.4	19	10	-	28	-
Selenium	400	NA	-	-	ND (6.2)	ND (6.4)	ND (6.1)	-	-	-	-	ND (5.3)	-	ND (7)	-	-	-	-	-	-	-	ND (6)	ND (6.7)	ND (6.7)	ND (5.7)	-	ND (7.3)	-
Silver	100	NA	-	-	ND (1.2)	ND (1.3)	ND (1.2)	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	ND (1.2)	49	ND (1.3)	ND (1.1)	-	ND (3.5)	-
Thallium	8	NA	-	-	ND (6.2)	ND (6.4)	ND (6.1)	-	-	-	-	ND (5.3)	-	**8.6**	-	-	-	-	-	-	-	ND (6)	ND (6.7)	ND (6.7)	ND (5.7)	-	ND (7.3)	-
Vanadium	400	NA	-	-	36	44	51	-	-	-	-	51	-	19	-	-	-	-	-	-	-	40	14	51	25	-	23	-
Zinc	1000	NA	-	-	690	270	120	-	-	-	-	51	-	680	-	-	-	-	-	-	-	530	150	64	49	-	**14000**	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	2.2	1.6	1.1	-	-	-	-	-	-	5.7	-	-	-	-	-	-	-	1.9	14	-	-	-	79	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	0.18	-	-	-	ND (0.12)	**4**	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
Aroclor-1254 (PCB-1254)	1	NA	0.2	0.19	-	-	-	0.59	**5.8**	0.12	ND (0.12)	0.087	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	0.087	0.43	-	ND (0.049)
Aroclor-1260 (PCB-1260)	1	NA	0.45	0.14	-	-	-	0.42	**2.4**	0.13	ND (0.12)	0.056	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	0.051	0.25	-	ND (0.049)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)
SUM of PCBs	1	NA	0.65	0.51	-	-	-	**1.01**	**12.2**	0.25	ND	0.143	ND	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	0.138	0.68	-	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	89.2	92.1	-	-	-	84.8	85.6	86.5	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	165 >	165 >	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	165 >	165 >	165 >	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	ND (50)	ND (50)	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	ND (100)	ND (100)	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	460	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	7.1	7.2	7.1	-	-	-	-	8.2	-	8.2	-	-	-	-	-	-	-	7.1	6.8	6.9	8.1	-	8.3	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.5)	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	3.3	-	-	-	-	-	-	-	4	8.9	ND (1.6)	ND (1.2)	-	ND (1.8)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	1.5	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	5.8	-	-	-	-	-	-	-	7.4	20	ND (1.6)	ND (1.2)	-	ND (1.8)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	4.3	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	ND (2.1)	-	-	-	-	-	-	-	1.9	2.3	ND (1.6)	ND (1.2)	-	ND (1.8)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	4.3	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	ND (2.1)	-	-	-	-	-	-	-	1.9	2	2.2	ND (1.2)	-	ND (1.8)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	8.8	2.2	1.9	-	-	-	-	1.3	-	ND (2.1)	-	-	-	-	-	-	-	4.5	4.5	3.4	ND (1.2)	-	ND (1.8)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A13	A13	A13	A13	A13	A14	A14	A14	A14	A14	A14	A14	A14	A14	A14	A14	A15	A15	A15	A15	A15	A15	A15	A15
Sample Name			A13_S4_9.5-11.5	A13_S5_11.5-13.5	A13_S6_13.5-15.5	A13_S8_19.5-21.5	A13_S9_21.5-23.5	A14_S1_1-2.4	A14_S2_4-6	A14_S7_4-14	A14_S3_6-8	A14_S4_8-10	A14_S5_10-12	A14_S6_12-14	A14_S8_14-16	A14_S9_16-18	A14_S10_18-20	A14_S11_20-22	A15_S1_0.7-1.7	A15_S7_0.7-10.7	A15_S2_1.7-3.7	A15_S3_3.7-4.5	A15_S4_5.7-7.7	A15_S5_7.7-9.7	A15_S6_9.7-11.7	A15_S8_11.7-13.7	A15_S9_13.7-15.7
Sample Date			07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134855-34	134855-35	134855-36	134855-37	134855-38	134906-1 134906-12 134906-14 135061-1 135061-4	134906-2	134906-13 134906-15 134906-7 135061-2 135061-3	134906-3 134906-3RA1	134906-4	134906-5	134906-6	134906-8	134906-9	134906-10	134906-11	134855-1	134855-41 134855-45 134855-51 135059-1 135059-5	134855-2	134855-3	134855-4	134855-5	134855-6	134855-7	134855-8
Sample Depth (bgs)			9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1 - 2.4 (ft)	4 - 6 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.7 - 1.7 (ft)	0.7 - 10.7 (ft)	1.7 - 3.7 (ft)	3.7 - 4.5 (ft)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	-2 to -4	-4 to -6	17 to 15.6	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	17 to 7	16 to 14	14 to 13.2	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	ND (0.2)	-	ND (0.28)	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.05)	-	ND (0.069)	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	0.071	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	0.071	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	ND (0.35)	-	0.68	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	0.44	-	1.3	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	ND (0.35)	-	1.1	-	-	-	-	-	-	-	-	-	**2.8**	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	0.44	-	1.3	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	ND (0.35)	-	0.62	-	-	-	-	-	-	-	-	-	0.63	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	ND (0.35)	-	0.46	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	0.43	-	1.3	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	1	-	3.1	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.74	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	ND (0.35)	-	0.65	-	-	-	-	-	-	-	-	-	0.97	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	0.93	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (0.7)	-	ND (0.94)	-	-	-	-	-	-	-	-	-	ND (0.79)	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	1.1	-	2.9	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	0.85	-	2.8	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	4.26	-	16.21	-	-	-	-	-	-	-	-	-	42.79	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A13	A13	A13	A13	A13	A14	A14	A14	A14	A14	A14	A14	A14	A14	A14	A14	A15	A15	A15	A15	A15	A15	A15	A15
Sample Name			A13_S4_9.5-11.5	A13_S5_11.5-13.5	A13_S6_13.5-15.5	A13_S8_19.5-21.5	A13_S9_21.5-23.5	A14_S1_1-2.4	A14_S2_4-6	A14_S7_4-14	A14_S3_6-8	A14_S4_8-10	A14_S5_10-12	A14_S6_12-14	A14_S8_14-16	A14_S9_16-18	A14_S10_18-20	A14_S11_20-22	A15_S1_0.7-1.7	A15_S7_0.7-10.7	A15_S2_1.7-3.7	A15_S3_3.7-4.5	A15_S4_5.7-7.7	A15_S5_7.7-9.7	A15_S6_9.7-11.7	A15_S8_11.7-13.7	A15_S9_13.7-15.7
Sample Date			07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134855-34	134855-35	134855-36	134855-37	134855-38	134906-1 134906-12 134906-14 135061-1 135061-4	134906-2	134906-13 134906-15 134906-7 135061-2 135061-3	134906-3 134906-3RA1	134906-4	134906-5	134906-6	134906-8	134906-9	134906-10	134906-11	134855-1	134855-41 134855-45 134855-51 135059-1 135059-5	134855-2	134855-3	134855-4	134855-5	134855-6	134855-7	134855-8
Sample Depth (bgs)			9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1 - 2.4 (ft)	4 - 6 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.7 - 1.7 (ft)	0.7 - 10.7 (ft)	1.7 - 3.7 (ft)	3.7 - 4.5 (ft)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	-2 to -4	-4 to -6	17 to 15.6	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	17 to 7	16 to 14	14 to 13.2	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	150	-	150	-	-	-	-	-	-	-	-	-	540	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	150	-	190	-	-	-	-	-	-	-	-	-	690	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	210	-	130	-	-	-	-	-	-	-	-	-	220	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (32)	-	ND (42)	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	**43**	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	ND (3.4)	-	ND (4.3)	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	26	-	53	-	-	-	-	-	-	-	-	-	310	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	2	-	24	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	46	-	**180**	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	11	-	**270**	-	-	-	-	-	-	-	-	-	**3300**	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	4.4	-	ND (0.023)	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	30	-	170	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	ND (5.7)	-	ND (7.2)	-	-	-	-	-	-	-	-	-	ND (6.2)	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	**9.3**	-	**100**	-	-	-	-	-	-	-	-	-	**14**	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	51	-	ND (1.4)	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	76	-	**1400**	-	-	-	-	-	-	-	-	-	**2400**	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**ND (2.2)**	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**ND (2.3)**	-	**ND (1)**	ND (0.051)	ND (0.049)	ND (0.049)	**ND (4.7)**	ND (0.055)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**ND (2.2)**	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**ND (2.3)**	-	**ND (1)**	ND (0.051)	ND (0.049)	ND (0.049)	**ND (4.7)**	ND (0.055)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**ND (2.2)**	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**ND (2.3)**	-	**ND (1)**	ND (0.051)	ND (0.049)	ND (0.049)	**ND (4.7)**	ND (0.055)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**ND (2.2)**	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**ND (2.3)**	-	**ND (1)**	ND (0.051)	ND (0.049)	ND (0.049)	**14**	ND (0.055)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**ND (2.2)**	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**11**	-	**ND (1)**	ND (0.051)	ND (0.049)	ND (0.049)	**ND (4.7)**	ND (0.055)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**13**	0.14	-	0.61	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**ND (2.3)**	-	**6.4**	ND (0.051)	ND (0.049)	ND (0.049)	**ND (4.7)**	ND (0.055)	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	**ND (2.2)**	0.13	-	0.58	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	**4.4**	-	**4.9**	ND (0.051)	ND (0.049)	ND (0.049)	**ND (4.7)**	ND (0.055)	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	**13**	0.27	-	**1.19**	ND	ND	ND	ND	ND	ND	ND	**15.4**	-	**11.3**	ND	ND	ND	**14**	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	440	-	370	-	-	-	-	-	-	-	-	-	410	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	9.4	-	8.5	-	-	-	-	-	-	-	-	-	7.8	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1)	-	ND (2.2)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1)	-	ND (2.2)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	ND (1)	-	2.3	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1)	-	ND (2.2)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1)	-	3.3	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A15	A15	A15	A15	A16	A16	A16	A16	A16	A16	A16	A16	A16	A16	A16	A17	A17	A17	A17	A17	A17	A17
Sample Name			A15_S10_15.7-17.7	A15_S11_17.7-19.7	A15_S12_19.7-21	A15_S13_21-21.7	A16_S1_1-1.5	A16_S7_1-11	A16_S2_1.5-3.5	A16_S3_3.5-5.5	A16_S4_5.5-7.5	A16_S5_7.5-9.5	A16_S6_9.5-11.5	A16_S8_11.5-13.5	A16_S9_13.5-15.5	A16_S10_15.5-17.5	A16_S11_17.5-19.5	A16_S12_19.5-21.5	A17_S1_1.5-3.5	A17_S2_3.5-5.5	A17_S3_5.5-7.5	A17_S4_7.5-9.5	A17_S5_9.5-11.5	A17_S6_11.5-13.5	A17_S7_13.5-15.5	A17_S8_15.5-17.5
Sample Date			07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																							
Lab Sample ID			134855-9	134855-10	134855-11	134855-12	134855-13	134855-42 134855-46 134855-52 135059-2	134855-14	134855-15 134855-15RA1	134855-16	134855-17 134855-17RA1	134855-18	134855-19	134855-20	134855-21	134855-22	134855-23	138838-1	138838-2	138838-3	138838-4	138838-5	138838-6	138838-7	138838-8
Sample Depth (bgs)			15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21 (ft)	21 - 21.7 (ft)	1 - 1.5 (ft)	1 - 11 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 16	16.5 to 6.5	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	0.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	0.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	25.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A15	A15	A15	A15	A16	A16	A16	A16	A16	A16	A16	A16	A16	A16	A16	A16	A17	A17	A17	A17	A17	A17	A17	A17
Sample Name			A15_S10_15.7-17.7	A15_S11_17.7-19.7	A15_S12_19.7-21	A15_S13_21-21.7	A16_S1_1-1.5	A16_S7_1-11	A16_S2_1.5-3.5	A16_S3_3.5-5.5	A16_S4_5.5-7.5	A16_S5_7.5-9.5	A16_S6_9.5-11.5	A16_S8_11.5-13.5	A16_S9_13.5-15.5	A16_S10_15.5-17.5	A16_S11_17.5-19.5	A16_S12_19.5-21.5	A17_S1_1.5-3.5	A17_S2_3.5-5.5	A17_S3_5.5-7.5	A17_S4_7.5-9.5	A17_S5_9.5-11.5	A17_S6_11.5-13.5	A17_S7_13.5-15.5	A17_S8_15.5-17.5
Sample Date			07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134855-9	134855-10	134855-11	134855-12	134855-13	134855-42 134855-46 134855-52 135059-2	134855-14	134855-15 134855-15RA1	134855-16	134855-17 134855-17RA1	134855-18	134855-19	134855-20	134855-21	134855-22	134855-23	138838-1	138838-2	138838-3	138838-4	138838-5	138838-6	138838-7	138838-8
Sample Depth (bgs)			15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21 (ft)	21 - 21.7 (ft)	1 - 1.5 (ft)	1 - 11 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 16	16.5 to 6.5	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	ND (3.7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	**650**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	**11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	**ND (1.1)**	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	**ND (1.1)**	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	**ND (1.1)**	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	**ND (1.1)**	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	**3.7**	-	**ND (1.1)**	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	**8.7**	0.69	ND (0.052)	0.89	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	0.48	0.098	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	**1.6**	-	**5**	0.63	ND (0.052)	0.34	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	0.31	0.11	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)
SUM of PCBs	1	NA	ND	ND	ND	ND	**5.3**	-	**13.7**	**1.32**	ND	**1.23**	ND	ND	ND	ND	ND	ND	0.79	0.208	ND	ND	ND	ND	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A18	A18	A18	A18	A18	A18	A18	A18	A18	A19	A19	A19	A19	A19	A19	A19	A20	A20	A20	A20	A21	A21	A21	B5	B5
Sample Name			A18_S1_1.4-3.4	A18_S2_3.4-5.4	A18_S3_5.4-7.4	X18_S3_5.4-7.4	A18_S4_7.4-9.4	A18_S5_9.4-11.4	A18_S6_11.4-13.4	A18_S7_13.4-15.4	A18_S8_15.4-17.4	A19_S1_1.3-3.3	A19_S2_3.3-5.3	A19_S3_5.3-7.3	A19_S4_7.3-9.3	A19_S5_9.3-11.3	Y24_S1_1-3	A19_S6_11.3-13.3	A20_S1_0.0-1.0	A20_S2_1.0-3.0	A20_S3_3.0-5.0	A20_S4_5.0-7.0	A21_S1_0.4-2.5	A21_S2_2.5-4.5	A21_S3_4.5-6.5	B5_S1_0.9-5.8	B5_S3_0.9-1.8
Sample Date			12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	02/05/2015	02/05/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			138861-1	138861-2	138861-3	138861-4	138861-5	138861-6	138861-7	138861-8	138861-9	138861-28	138861-29	138861-30	138861-31	138861-32	138861-21	138861-33	15K1346-10	15K1346-11	15K1346-12	15K1346-13	15K1346-05	15K1346-06	15K1346-07	15B0168-01	15B0168-03
Sample Depth (bgs)			1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0.9 - 5.8 (ft)	0.9 - 1.8 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	17 to 16	16 to 14	14 to 12	12 to 10	16.1 to 14	14 to 12	12 to 10	16.9 to 12	16.9 to 16
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0024)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0024)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.061)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0024)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0024)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0024)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0061)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0061)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.24	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			A18	A18	A18	A18	A18	A18	A18	A18	A18	A19	A19	A19	A19	A19	A19	A19	A20	A20	A20	A20	A21	A21	A21	B5	B5
Sample Name			A18_S1_1.4-3.4	A18_S2_3.4-5.4	A18_S3_5.4-7.4	X18_S3_5.4-7.4	A18_S4_7.4-9.4	A18_S5_9.4-11.4	A18_S6_11.4-13.4	A18_S7_13.4-15.4	A18_S8_15.4-17.4	A19_S1_1.3-3.3	A19_S2_3.3-5.3	A19_S3_5.3-7.3	A19_S4_7.3-9.3	A19_S5_9.3-11.3	Y24_S1_1-3	A19_S6_11.3-13.3	A20_S1_0.0-1.0	A20_S2_1.0-3.0	A20_S3_3.0-5.0	A20_S4_5.0-7.0	A21_S1_0.4-2.5	A21_S2_2.5-4.5	A21_S3_4.5-6.5	B5_S1_0.9-5.8	B5_S3_0.9-1.8
Sample Date			12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	02/05/2015	02/05/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			138861-1	138861-2	138861-3	138861-4	138861-5	138861-6	138861-7	138861-8	138861-9	138861-28	138861-29	138861-30	138861-31	138861-32	138861-21	138861-33	15K1346-10	15K1346-11	15K1346-12	15K1346-13	15K1346-05	15K1346-06	15K1346-07	15B0168-01	15B0168-03
Sample Depth (bgs)			1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0.9 - 5.8 (ft)	0.9 - 1.8 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	17 to 16	16 to 14	14 to 12	12 to 10	16.1 to 14	14 to 12	12 to 10	16.9 to 12	16.9 to 16
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.6)	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.2)	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.52)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	0.54	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1254 (PCB-1254)	1	NA	**2.9**	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	0.14	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	**1.1**	ND (0.13)	ND (0.12)	0.17	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	**2.2**	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	0.089	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	0.88	ND (0.13)	ND (0.12)	0.36	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	-	ND (0.11)
SUM of PCBs	1	NA	**5.1**	ND	ND	ND	ND	ND	ND	ND	ND	0.229	ND	ND	ND	ND	ND	ND	ND	**2.52**	ND	ND	0.53	ND	ND	-	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97.6	90.8	79.2	84.3	92.7	87.1	84.7	88.8	87.6
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (19)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B5	B5	B5	B5	B6	B6	B6	B7	B7	B7	B7	B7	B7
Sample Name			B5_S4_1.8-3.8	B5_S5_3.8-5.8	B5_S2_5.8-7.8	B5_S6_5.8-7.8	B6_S1_1.0-2.1	B6_S2_2.1-4.1	B6_S3_4.1-6.1	B7_S1_2-4	Z7_S1_2-4	B7_S2_4-6	B7_S3_6-8	B7_S4_8-10	B7A_S1_1.1-6.2
Sample Date			02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria													
Lab Sample ID			15B0168-04	15B0168-05	15B0168-02	15B0168-06	15B0166-01	15B0166-02	15B0166-03	139182-1	139182-7	139182-2	139182-3	139182-4	15B0161-01 15B0161-01RE1 15B0389-01
Sample Depth (bgs)			1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	5.8 - 7.8 (ft)	1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	1.1 - 6.2 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	12 to 10	17.1 to 16	16 to 14	14 to 12	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	17.1 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)															
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0034
1,2-Dichlorobenzene	9	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
1,3-Dichlorobenzene	3	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
Acetone	6	NA	-	-	ND (0.064)	-	-	-	-	-	-	-	-	-	ND (0.084)
Benzene	2	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
Chlorobenzene	1	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0034
Ethylbenzene	40	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0018
Isopropylbenzene	1000	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
m,p-Xylenes	NA	NA	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)
Methylene chloride	0.1	NA	-	-	ND (0.0064)	-	-	-	-	-	-	-	-	-	ND (0.0084)
Naphthalene	4	NA	-	-	ND (0.0064)	-	-	-	-	-	-	-	-	-	0.064
n-Propylbenzene	100	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
o-Xylene	NA	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0019
Styrene	3	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.007
Tetrachloroethene	1	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
Toluene	30	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0017
Trichloroethene	0.3	NA	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	-	-	-	-	-	-	-	-	-	0.0832
Semi-Volatile Organic Compounds (mg/kg)															
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
1,2-Dichlorobenzene	9	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
1,3-Dichlorobenzene	3	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	**ND (0.8)**
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	**ND (0.8)**
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	**ND (0.8)**
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
2-Chloronaphthalene	1000	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
2-Methylnaphthalene	0.7	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	**1.9**
2-Methylphenol	500	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
3&4-Methylphenol	NA	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	0.97
Acenaphthene	4	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	1.9
Acenaphthylene	1	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	ND (0.4)
Acetophenone	NA	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Aniline	NA	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Anthracene	1000	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	2.5
Benzo(a)anthracene	7	NA	-	-	0.31	-	-	-	-	-	-	-	-	-	3.7
Benzo(a)pyrene	2	NA	-	-	0.29	-	-	-	-	-	-	-	-	-	**3.1**
Benzo(b)fluoranthene	7	NA	-	-	0.41	-	-	-	-	-	-	-	-	-	4.1
Benzo(g,h,i)perylene	1000	NA	-	-	0.22	-	-	-	-	-	-	-	-	-	2.4
Benzo(k)fluoranthene	70	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	1.7
bis(2-Ethylhexyl)phthalate	90	NA	-	-	0.49	-	-	-	-	-	-	-	-	-	2.1
Butyl benzylphthalate	100	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	0.39	-	-	-	-	-	-	-	-	-	3.8
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	0.68
Dibenzofuran	100	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	2
Diethyl phthalate	10	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Di-n-butylphthalate	50	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Di-n-octyl phthalate	1000	NA	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	ND (1.6)
Fluoranthene	1000	NA	-	-	0.7	-	-	-	-	-	-	-	-	-	12
Fluorene	1000	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	2
Indeno(1,2,3-cd)pyrene	7	NA	-	-	0.23	-	-	-	-	-	-	-	-	-	2.8
Isophorone	100	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Naphthalene	4	NA	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	2.1
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Phenanthrene	10	NA	-	-	0.47	-	-	-	-	-	-	-	-	-	9.1
Phenol	1	NA	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)
Pyrene	1000	NA	-	-	0.61	-	-	-	-	-	-	-	-	-	8.4
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	4.12	-	-	-	-	-	-	-	-	-	67.25

Location Name	B7A	B8	B8	B8	B8	B8	B8	B8	B8	B9	B9	B9	B9	B9	B10
Sample Name	B7A_S2_2.2-4.2	B8_S1_3-4	B8_S2_4-6	X8_S2_4-6	B8_S3_6-8	B8_S4_8-10	B8_S5_10-12	B9_S1_1.4-2.6	B9_S2_2.6-4.6	B9_S3_4.6-6.6	B9_S4_6.6-8.6	B10_S1_0.9-6.6	B10_S2_0.9-2.6	B10_S3_2.6-4.6	B10_S4_4.6-6.6	B10_S5_6.6-8.6
Sample Date	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015
Lab Sample ID	15B0161-02	139182-10	139182-11 139182-11RA1	139182-13	139182-12	139182-14	139182-15	15B0164-01	15B0164-02	15B0164-03	15B0164-04	15B0163-01 15B0391-01	15B0163-02	15B0163-03	15B0523-01	15B0523-02
Sample Depth (bgs)	2.2 - 4.2 (ft)	3 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1.4 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.9 - 6.6 (ft)	0.9 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)
Sample Elevation (ft BCB)	16 to 14	15 to 14	14 to 12	14 to 12	12 to 10	10 to 8	8 to 6	17.2 to 16	16 to 14	14 to 12	12 to 10	17.7 to 12	17.7 to 16	16 to 14	14 to 12	12 to 10
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.003)	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.003)	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	ND (0.074)	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	ND (0.003)	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	ND (0.003)	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	ND (0.003)	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	ND (0.0074)	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0074)	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	0.21	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	0.34	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	0.74	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	0.81	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	0.24	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	0.33	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	0.95	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	0.36	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	18.82	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B5	B5	B5	B5	B6	B6	B6	B7	B7	B7	B7	B7	B7
Sample Name			B5_S4_1.8-3.8	B5_S5_3.8-5.8	B5_S2_5.8-7.8	B5_S6_5.8-7.8	B6_S1_1.0-2.1	B6_S2_2.1-4.1	B6_S3_4.1-6.1	B7_S1_2-4	Z7_S1_2-4	B7_S2_4-6	B7_S3_6-8	B7_S4_8-10	B7A_S1_1.1-6.2
Sample Date			02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria													
Lab Sample ID			15B0168-04	15B0168-05	15B0168-02	15B0168-06	15B0166-01	15B0166-02	15B0166-03	139182-1	139182-7	139182-2	139182-3	139182-4	15B0161-01 15B0161-01RE1
Sample Depth (bgs)			1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	5.8 - 7.8 (ft)	1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	1.1 - 6.2 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	12 to 10	17.1 to 16	16 to 14	14 to 12	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	17.1 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	410	-	-	-	-	-	-	-	-	-	1300
EPH (mg/kg)															
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)															
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	ND (2.6)	-	-	-	-	-	-	-	-	-	**22**
Barium	1000	NA	-	-	28	-	-	-	-	-	-	-	-	-	380
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	0.45	-	-	-	-	-	-	-	-	-	8.7
Chromium	100	NA	-	-	16	-	-	-	-	-	-	-	-	-	67
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	87	-	-	-	-	-	-	-	-	-	**1700**
Mercury	20	NA	-	-	0.15	-	-	-	-	-	-	-	-	-	2.5
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	ND (5.1)	-	-	-	-	-	-	-	-	-	ND (5.8)
Silver	100	NA	-	-	ND (0.51)	-	-	-	-	-	-	-	-	-	ND (0.58)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)															
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	2.2
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	**ND (5.3)**	ND (0.13)	**ND (24)**	**ND (46)**	ND (0.046)	ND (0.06)	ND (0.061)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	**ND (5.3)**	ND (0.13)	**ND (24)**	**ND (46)**	ND (0.046)	ND (0.06)	ND (0.061)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	**ND (5.3)**	ND (0.13)	**ND (24)**	**ND (46)**	ND (0.046)	ND (0.06)	ND (0.061)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	**ND (5.3)**	ND (0.13)	**ND (24)**	**ND (46)**	ND (0.046)	ND (0.06)	ND (0.061)	-
Aroclor-1248 (PCB-1248)	1	NA	0.34	0.47	-	**1.3**	ND (0.1)	**15**	ND (0.13)	**110**	**210**	ND (0.046)	ND (0.06)	ND (0.061)	-
Aroclor-1254 (PCB-1254)	1	NA	0.42	0.86	-	**2.6**	0.13	**31**	ND (0.13)	**ND (24)**	**ND (46)**	ND (0.046)	0.083	0.29	-
Aroclor-1260 (PCB-1260)	1	NA	0.34	0.8	-	**3.7**	ND (0.1)	**31**	ND (0.13)	**52**	**110**	ND (0.046)	ND (0.06)	0.32	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-
SUM of PCBs	1	NA	**1.1**	**2.13**	-	**7.6**	0.13	**77**	ND	**162**	**320**	ND	0.083	0.61	-
Other															
Percent Solids, vol. (%wt)	NA	NA	92.5	89.4	90.1	91.2	98.1	94.2	75.9	-	-	-	-	-	85
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (3.9)	-	-	-	-	-	-	-	-	-	ND (4)
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (19)	-	-	-	-	-	-	-	-	-	ND (20)
Oxidation reduction potential (mV)	NA	NA	-	-	31	-	-	-	-	-	-	-	-	-	78
Ignitability (PA)	NA	NA	-	-	NI	-	-	-	-	-	-	-	-	-	NI
pH Corrosivity (pH units)	NA	NA	-	-	9.9	-	-	-	-	-	-	-	-	-	11
VPH (mg/kg)															
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

Location Name	B7A	B8	B8	B8	B8	B8	B8	B8	B8	B9	B9	B9	B9	B9	B10
Sample Name	B7A_S2_2.2-4.2	B8_S1_3-4	B8_S2_4-6	X8_S2_4-6	B8_S3_6-8	B8_S4_8-10	B8_S5_10-12	B9_S1_1.4-2.6	B9_S2_2.6-4.6	B9_S3_4.6-6.6	B9_S4_6.6-8.6	B10_S1_0.9-6.6
Sample Date	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015
Lab Sample ID	15B0161-02	139182-10	139182-11 139182-11RA1	139182-13	139182-12	139182-14	139182-15	15B0164-01	15B0164-02	15B0164-03	15B0164-04	15B0163-01 15B0391-01
Sample Depth (bgs)	2.2 - 4.2 (ft)	3 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1.4 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.9 - 6.6 (ft)
Sample Elevation (ft BCB)	16 to 14	15 to 14	14 to 12	14 to 12	12 to 10	10 to 8	8 to 6	17.2 to 16	16 to 14	14 to 12	12 to 10	17.7 to 12
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	1500
EPH (mg/kg)												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	3.9
Barium	-	-	-	-	-	-	-	-	-	-	-	280
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	4.9
Chromium	-	-	-	-	-	-	-	-	-	-	-	61
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	**950**
Mercury	-	-	-	-	-	-	-	-	-	-	-	1.6
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)
Silver	-	-	-	-	-	-	-	-	-	-	-	2
Thallium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)												
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	0.16
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)	**ND (23)**	ND (0.12)	-
Aroclor-1221 (PCB-1221)	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)	**ND (23)**	ND (0.12)	-
Aroclor-1232 (PCB-1232)	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)	**ND (23)**	ND (0.12)	-
Aroclor-1242 (PCB-1242)	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)	**ND (23)**	ND (0.12)	-
Aroclor-1248 (PCB-1248)	0.14	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	0.14	**150**	ND (0.12)	-
Aroclor-1254 (PCB-1254)	0.27	0.057	0.78	0.49	0.39	ND (0.047)	ND (0.052)	ND (0.1)	0.26	**160**	ND (0.12)	-
Aroclor-1260 (PCB-1260)	0.58	0.064	0.41	0.25	0.19	ND (0.047)	ND (0.052)	ND (0.1)	0.56	**110**	ND (0.12)	-
Aroclor-1262 (PCB-1262)	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)	ND (23)	ND (0.12)	-
Aroclor-1268 (PCB-1268)	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)	ND (23)	ND (0.12)	-
SUM of PCBs	0.99	0.121	**1.19**	0.74	0.58	ND	ND	ND	0.96	**420**	ND	-
Other												
Percent Solids, vol. (%wt)	85.4	-	-	-	-	-	-	96.3	86.5	84.7	86.8	85.9
Ignitability (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	ND (19)
Oxidation reduction potential (mV)	-	-	-	-	-	-	-	-	-	-	-	87
Ignitability (PA)	-	-	-	-	-	-	-	-	-	-	-	NI
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	11
VPH (mg/kg)												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-

Location Name	B10	B10	B10	B10	B10
Sample Name	B10_S2_0.9-2.6	B10_S3_2.6-4.6	B10_S4_4.6-6.6	B10_S5_6.6-8.6	
Sample Date	02/05/2015	02/05/2015	02/05/2015	02/05/2015	
Lab Sample ID	15B0163-02	15B0163-03	15B0523-01	15B0523-02	
Sample Depth (bgs)	0.9 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	
Sample Elevation (ft BCB)	17.7 to 16	16 to 14	14 to 12	12 to 10	
Soil Description	FILL	FILL	FILL	FILL	
Total Petroleum Hydrocarbons (mg/kg)					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	
EPH (mg/kg)					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	
Inorganic Compounds (mg/kg)					
Antimony	-	-	-	-	
Arsenic	-	-	-	-	
Barium	-	-	-	-	
Beryllium	-	-	-	-	
Cadmium	-	-	-	-	
Chromium	-	-	-	-	
Chromium VI (Hexavalent)	-	-	-	-	
Lead	-	-	-	-	
Mercury	-	-	-	-	
Nickel	-	-	-	-	
Selenium	-	-	-	-	
Silver	-	-	-	-	
Thallium	-	-	-	-	
Vanadium	-	-	-	-	
Zinc	-	-	-	-	
TCLP Inorganic Compounds (mg/L)					
Arsenic	-	-	-	-	
Barium	-	-	-	-	
Cadmium	-	-	-	-	
Chromium	-	-	-	-	
Lead	-	-	-	-	
Mercury	-	-	-	-	
PCBs (mg/kg)					
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.12)	**ND (12)**	ND (0.11)	
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.12)	**ND (12)**	ND (0.11)	
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.12)	**ND (12)**	ND (0.11)	
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.12)	**ND (12)**	ND (0.11)	
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (0.12)	**ND (12)**	ND (0.11)	
Aroclor-1254 (PCB-1254)	0.33	0.32	**50**	ND (0.11)	
Aroclor-1260 (PCB-1260)	ND (0.11)	0.74	**28**	ND (0.11)	
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	
SUM of PCBs	0.33	**1.06**	**78**	ND	
Other					
Percent Solids, vol. (%wt)	92.4	84.9	82.4	87.3	
Ignitability (Deg F)	-	-	-	-	
Reactive Cyanide (mg/kg)	-	-	-	-	
Reactive Sulfide (mg/kg)	-	-	-	-	
Oxidation reduction potential (mV)	-	-	-	-	
Ignitability (PA)	-	-	-	-	
pH Corrosivity (pH units)	-	-	-	-	
VPH (mg/kg)					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B11	B11	B11	B11	B11	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B13	B13	B13	B13	B13	B13	B13
Sample Name			B11_S1_0.9-6.5	B11_S5_0.9-2.5	B11_S2_2.5-4.5	B11_S3_4.5-6.5	B11_S4_6.5-8.5	B12_S1_0.8-2	B12_S14_0.8-14	B12_S2_2-4	B12_S3_4-6	B12_S4_6-8	B12_S5_8-10	B12_S6_10-12	B12_S7_12-14	B12_S8_14-16	B12_S9_16-18	B12_S10_18-20	B12_S11_20-22	B12_S12_22-23.2	B12_S13_23.2-24	B13_S1_0.6-4.1	B13_S2_4.1-6.1	B13_S5_4.1-10.1	B13_S3_6.1-8.1	B13_S4_8.1-10.1	B13_S6_10.1-12.1	B13_S7_12.1-14.1
Sample Date			02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			15B0162-01 15B0162-01RE1 15B0390-01	15B0162-05 15B0162-05RE1	15B0162-02	15B0524-01	15B0524-02	134745-1	134745-14 134745-38 134745-43 134934-1	134745-2	134745-3	134745-4	134745-5	134745-6	134745-7	134745-8	134745-9	134745-10	134745-11	134745-12	134745-13	134745-15 134745-39 134745-44	134745-16 134745-16RA1	134745-18 134745-40 134745-45 134934-2 134934-3	134745-17	134745-19	134745-20	134745-21
Sample Depth (bgs)			0.9 - 6.5 (ft)	0.9 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.8 - 2 (ft)	0.8 - 14 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	0.6 - 4.1 (ft)	4.1 - 6.1 (ft)	4.1 - 10.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)
Sample Elevation (ft BCB)			17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	17.2 to 4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	17.6 to 14.1	14.1 to 12.1	14.1 to 8.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Acetone	6	NA	ND (0.12)	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.24)	-	-	-	-
Benzene	2	NA	ND (0.0025)	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Chlorobenzene	1	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0025)	-	-	-	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Ethylbenzene	40	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Methylene chloride	0.1	NA	ND (0.012)	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.063)	-	ND (0.06)	-	-	-	-
Naphthalene	4	NA	ND (0.012)	-	-	-	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	0.016	-	ND (0.006)	-	-	-	-
n-Propylbenzene	100	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
o-Xylene	NA	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Styrene	3	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Tetrachloroethene	1	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Toluene	30	NA	ND (0.0025)	-	-	-	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
Trichloroethene	0.3	NA	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	0.039	-	-	-	-	-	-	-	-	-	-	-	-	0.016	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
2-Methylnaphthalene	0.7	NA	0.36	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
2-Methylphenol	500	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Acenaphthene	4	NA	0.83	-	-	-	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Acenaphthylene	1	NA	ND (0.2)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Acetophenone	NA	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Aniline	NA	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Anthracene	1000	NA	1.5	-	-	-	-	-	0.98	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Benzo(a)anthracene	7	NA	3	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	0.88	-	-	-	-
Benzo(a)pyrene	2	NA	**2.6**	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	0.82	-	-	-	-
Benzo(b)fluoranthene	7	NA	3.3	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	0.48	-	1	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	2	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	0.49	-	-	-	-
Benzo(k)fluoranthene	70	NA	1.3	-	-	-	-	-	0.79	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	1.8	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	0.43	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Chrysene	70	NA	3.2	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	0.46	-	0.92	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	0.62	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Dibenzofuran	100	NA	0.76	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Diethyl phthalate	10	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Di-n-butylphthalate	50	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (0.8)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Fluoranthene	1000	NA	6.7	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	0.95	-	1.6	-	-	-	-
Fluorene	1000	NA	0.76	-	-	-	-	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	2.1	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	0.57	-	-	-	-
Isophorone	100	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Naphthalene	4	NA	0.77	-	-	-	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Pentachlorophenol	3	NA	ND (0.4)	-	-	-	-	-	ND (0.76)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.85)	-	ND (0.81)	-	-	-	-
Phenanthrene	10	NA	6	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	1.4	-	-	-	-
Phenol	1	NA	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-
Pyrene	1000	NA	5.7	-	-	-	-	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-	1.4	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	43.3	-	-	-	-	-	24.43	-	-	-	-	-	-	-	-	-	-	-	-	3.64	-	9.51	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B11	B11	B11	B11	B11	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B12	B13	B13	B13	B13	B13	B13	B13
Sample Name			B11_S1_0.9-6.5	B11_S5_0.9-2.5	B11_S2_2.5-4.5	B11_S3_4.5-6.5	B11_S4_6.5-8.5	B12_S1_0.8-2	B12_S14_0.8-14	B12_S2_2-4	B12_S3_4-6	B12_S4_6-8	B12_S5_8-10	B12_S6_10-12	B12_S7_12-14	B12_S8_14-16	B12_S9_16-18	B12_S10_18-20	B12_S11_20-22	B12_S12_22-23.2	B12_S13_23.2-24	B13_S1_0.6-4.1	B13_S2_4.1-6.1	B13_S5_4.1-10.1	B13_S3_6.1-8.1	B13_S4_8.1-10.1	B13_S6_10.1-12.1	B13_S7_12.1-14.1
Sample Date			02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15B0162-01 15B0162-01RE1 15B0390-01	15B0162-05 15B0162-05RE1	15B0162-02	15B0524-01	15B0524-02	134745-1	134745-14 134745-38 134745-43 134934-1	134745-2	134745-3	134745-4	134745-5	134745-6	134745-7	134745-8	134745-9	134745-10	134745-11	134745-12	134745-13	134745-15 134745-39 134745-44	134745-16 134745-16RA1	134745-18 134745-40 134745-45 134934-2 134934-3	134745-17	134745-19	134745-20	134745-21
Sample Depth (bgs)			0.9 - 6.5 (ft)	0.9 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.8 - 2 (ft)	0.8 - 14 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	0.6 - 4.1 (ft)	4.1 - 6.1 (ft)	4.1 - 10.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)
Sample Elevation (ft BCB)			17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	17.2 to 4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	17.6 to 14.1	14.1 to 12.1	14.1 to 8.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	280	-	-	-	-	-	-	-	-	-	-	-	440	-	300	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	380	-	-	-	-	-	-	-	-	-	-	-	470	-	320	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	270	-	-	-	-	-	-	-	-	-	-	-	560	-	460	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	-	ND (39)	-	ND (36)	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	**54**	-	-	-	-
Arsenic	20	NA	8.5	-	-	-	-	-	ND (3.5)	-	-	-	-	-	-	-	-	-	-	-	ND (3.8)	-	ND (3.6)	-	-	-	-
Barium	1000	NA	**2700**	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-	-	-	42	-	270	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.36)	-	-	-	-
Cadmium	70	NA	5.3	-	-	-	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	0.96	-	9.2	-	-	-	-
Chromium	100	NA	28	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	24	-	65	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	200	NA	**6500**	-	-	-	-	-	**1400**	-	-	-	-	-	-	-	-	-	-	-	61	-	**5000**	-	-	-	-
Mercury	20	NA	0.34	-	-	-	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	0.035	-	0.058	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	11	-	79	-	-	-	-
Selenium	400	NA	ND (5.7)	-	-	-	-	-	6.2	-	-	-	-	-	-	-	-	-	-	-	ND (6.4)	-	8.4	-	-	-	-
Silver	100	NA	ND (0.57)	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	**16**	-	-	-	-	-	-	-	-	-	-	-	ND (6.4)	-	**27**	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	32	-	33	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	**1100**	-	-	-	-	-	-	-	-	-	-	-	67	-	**1400**	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.027	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.11)	ND (0.12)	**ND (1.2)**	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.11)	ND (0.12)	**ND (1.2)**	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.11)	ND (0.12)	**ND (1.2)**	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.11)	ND (0.12)	**ND (1.2)**	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.11)	ND (0.12)	**ND (1.2)**	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.11)	0.54	**5.2**	ND (0.11)	0.13	-	**1.2**	0.28	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	**1**	0.84	0.28	0.58	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1260 (PCB-1260)	1	NA	-	0.34	0.79	**7.8**	ND (0.11)	0.14	-	0.84	0.21	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	0.65	0.48	0.19	0.36	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)
SUM of PCBs	1	NA	-	0.34	**1.33**	**13**	ND	0.27	-	**2.04**	0.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.65**	**1.32**	0.47	0.94	ND	ND	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	84	89	84.1	84.6	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (3.9)	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (19)	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-	-
Ignitability (PA)	NA	NA	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	11	-	-	-	-	-	9.7	-	-	-	-	-	-	-	-	-	-	-	-	10	-	10	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B13	B13	B13	B13	B13	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B15	B15	B15	B15	B15	B15	B15	B15
Sample Name			B13_S8_14.1-16.1	B13_S9_16.1-18.1	B13_S10_18.1-20.1	B13_S11_20.1-22.1	B13_S12_22.1-24.1	B14_S1_1.5-2.3	B14_S2_4-5.5	B14_S7_4-13.5	B14_S3_5.5-7.5	B14_S4_7.5-9.5	B14_S5_9.5-11.5	B14_S6_11.5-13.5	B14_S8_13.5-15.5	B14_S9_15.5-17.5	B14_S10_17.5-19.5	B14_S11_19.5-21.5	B15_S1_2.5-3.5	B15_S6_2.5-12.5	B15_S2_3.5-5.5	B15_S3_5.5-7.5	B15_S4_7.5-9.5	B15_S5_9.5-11.5	B15_S7_11.5-13.5	B15_S8_13.5-15.5
Sample Date			07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria						134745-27 134745-27RA1 134745-41 134745-46 134934-4		134745-33 134745-42 134745-47										134789-32 134789-35 134789-39						
Lab Sample ID			134745-22	134745-23	134745-24	134745-25	134745-26	134934-6	134745-28	134934-5	134745-29	134745-30	134745-31	134745-32	134745-34	134745-35	134745-36	134745-37	134789-17	134958-4	134789-18	134789-19	134789-20	134789-21	134789-22	134789-23
Sample Depth (bgs)			14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)	22.1 - 24.1 (ft)	1.5 - 2.3 (ft)	4 - 5.5 (ft)	4 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2.5 - 3.5 (ft)	2.5 - 12.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)
Sample Elevation (ft BCB)			4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	16 to 15.2	13.5 to 12	13.5 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15 to 14	15 to 5	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	ND (0.2)	-	ND (0.32)	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.05)	-	ND (0.08)	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	0.023	-	0.017	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	0.023	-	0.017	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	**0.98**	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	**4.7**	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	19	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	**25**	-	0.55	-	-	-	-	-	-	-	-	-	0.83	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	**18**	-	0.47	-	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	**24**	-	0.65	-	-	-	-	-	-	-	-	-	0.86	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	0.86	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	11	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	0.94	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	6	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	23	-	0.6	-	-	-	-	-	-	-	-	-	0.78	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	0.48	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	3.5	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	69	-	1.4	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	6.1	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	1.6	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.46	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	1.6	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (0.78)	-	ND (0.89)	-	-	-	-	-	-	-	-	-	ND (0.79)	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	**67**	-	1.4	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	46	-	1.1	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	328.76	-	6.17	-	-	-	-	-	-	-	-	-	10.49	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B13	B13	B13	B13	B13	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B15	B15	B15	B15	B15	B15	B15	B15
Sample Name			B13_S8_14.1-16.1	B13_S9_16.1-18.1	B13_S10_18.1-20.1	B13_S11_20.1-22.1	B13_S12_22.1-24.1	B14_S1_1.5-2.3	B14_S2_4-5.5	B14_S7_4-13.5	B14_S3_5.5-7.5	B14_S4_7.5-9.5	B14_S5_9.5-11.5	B14_S6_11.5-13.5	B14_S8_13.5-15.5	B14_S9_15.5-17.5	B14_S10_17.5-19.5	B14_S11_19.5-21.5	B15_S1_2.5-3.5	B15_S6_2.5-12.5	B15_S2_3.5-5.5	B15_S3_5.5-7.5	B15_S4_7.5-9.5	B15_S5_9.5-11.5	B15_S7_11.5-13.5	B15_S8_13.5-15.5
Sample Date			07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria						134745-27 134745-27RA1 134745-41 134745-46 134934-4		134745-33 134745-42 134745-47										134789-32 134789-35 134789-39						
Lab Sample ID			134745-22	134745-23	134745-24	134745-25	134745-26	134934-6	134745-28	134934-5	134745-29	134745-30	134745-31	134745-32	134745-34	134745-35	134745-36	134745-37	134789-17	134958-4	134789-18	134789-19	134789-20	134789-21	134789-22	134789-23
Sample Depth (bgs)			14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)	22.1 - 24.1 (ft)	1.5 - 2.3 (ft)	4 - 5.5 (ft)	4 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2.5 - 3.5 (ft)	2.5 - 12.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)
Sample Elevation (ft BCB)			4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	16 to 15.2	13.5 to 12	13.5 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15 to 14	15 to 5	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	240	-	72	-	-	-	-	-	-	-	-	-	890	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	290	-	82	-	-	-	-	-	-	-	-	-	1400	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	360	-	78	-	-	-	-	-	-	-	-	-	98	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (35)	-	ND (39)	-	-	-	-	-	-	-	-	-	ND (35)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	12	-	2	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	13	-	ND (4.1)	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	190	-	130	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	5.3	-	0.98	-	-	-	-	-	-	-	-	-	0.89	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	37	-	15	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	**1400**	-	**350**	-	-	-	-	-	-	-	-	-	**230**	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	0.56	-	0.24	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	35	-	12	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	ND (5.8)	-	ND (6.8)	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	ND (1.2)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	**8.8**	-	ND (6.8)	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	43	-	19	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	**1100**	-	470	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	0.6	-	ND (0.3)	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	**1.8**	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	0.14	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	**1.1**	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	0.091	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)	ND (0.055)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	**2.9**	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	0.231	-	ND	ND	ND	ND	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	11	-	10	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.3)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.3)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	1.6	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1.3)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	2.7	-	2.6	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B15	B15	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16A	B16A	B17	B17	B17	B17	B17	B17	B17	B17	B17	B18
Sample Name			B15_S9_17.5-19.5	B15_S10_19.5-21.5	B16_S1_2-3.5	B16_S6_2-11.5	B16_S2_3.5-5.5	B16_S3_5.5-7.5	B16_S4_7.5-9.5	B16_S5_9.5-11.5	B16_S7_11.5-13.5	B16_S8_13.5-15.5	B16_S9_15.5-17.5	B16_S10_17.5-19.5	B16_S11_19.5-21.5	B16A_S1_0.7-7.5	B16A_S2_7.5-13.5	B17_S1_1-3	B17_S2_3-5	B17_S3_5-7	B17_S4_7-9	B17_S6_3-13	B17_S5_11-13	B17_S7_13-15	B17_S8_17-19	B17_S9_21-23	B18_S1_0.5-2.2
Sample Date			07/15/2010	07/15/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	02/05/2015	02/05/2015	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/15/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134789-24	134789-25	134718-14	134718-27 134718-31 134718-35 134936-3 134936-5	134718-15	134718-16	134718-17 134718-17RA1	134718-18	134718-19	134718-20	134718-21	134718-22	134718-23	15B0159-01	15B0159-02	134789-30 134789-36 134789-40 134958-2	134789-26	134789-27	134789-28	134834-15 134834-17 134834-2 135005-1	134834-1 134834-1RA1	134834-3	134834-4	134834-5	134789-29 134789-33 134789-37 134958-1
Sample Depth (bgs)			17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2 - 3.5 (ft)	2 - 11.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	0.7 - 7.5 (ft)	7.5 - 13.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	3 - 13 (ft)	11 - 13 (ft)	13 - 15 (ft)	17 - 19 (ft)	21 - 23 (ft)	0.5 - 2.2 (ft)
Sample Elevation (ft BCB)			0 to -2	-2 to -4	15.5 to 14	15.5 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10	10 to 4	16 to 14	14 to 12	12 to 10	10 to 8	14 to 4	6 to 4	4 to 2	0 to -2	-4 to -6	16.5 to 14.8
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Acetone	6	NA	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.094)	ND (0.084)	ND (0.2)	-	-	-	ND (0.2)	-	-	-	-	ND (0.2)
Benzene	2	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Chlorobenzene	1	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Ethylbenzene	40	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Isopropylbenzene	1000	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
m,p-Xylenes	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Methylene chloride	0.1	NA	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.0094)	ND (0.0084)	ND (0.05)	-	-	-	ND (0.05)	-	-	-	-	ND (0.05)
Naphthalene	4	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	0.02	ND (0.0084)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
n-Propylbenzene	100	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
o-Xylene	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Styrene	3	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Tetrachloroethene	1	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Toluene	30	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
Trichloroethene	0.3	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	-	-	-	-	-	-	0.02	ND	ND	-	-	-	ND	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.26)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
2-Methylphenol	500	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
3&4-Methylphenol	NA	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.48	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Acenaphthene	4	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.28	0.55	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Acenaphthylene	1	NA	-	-	-	0.67	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.26)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Acetophenone	NA	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Aniline	NA	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Anthracene	1000	NA	-	-	-	0.97	-	-	-	-	-	-	-	-	-	0.61	1.4	ND (0.37)	-	-	-	0.5	-	-	-	-	0.35
Benzo(a)anthracene	7	NA	-	-	-	3.8	-	-	-	-	-	-	-	-	-	0.98	1.5	ND (0.37)	-	-	-	1	-	-	-	-	0.89
Benzo(a)pyrene	2	NA	-	-	-	**3.7**	-	-	-	-	-	-	-	-	-	0.93	1.3	ND (0.37)	-	-	-	0.77	-	-	-	-	0.77
Benzo(b)fluoranthene	7	NA	-	-	-	6.2	-	-	-	-	-	-	-	-	-	1.3	1.6	ND (0.37)	-	-	-	0.88	-	-	-	-	0.99
Benzo(g,h,i)perylene	1000	NA	-	-	-	0.98	-	-	-	-	-	-	-	-	-	0.8	0.76	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	0.38
Benzo(k)fluoranthene	70	NA	-	-	-	2.2	-	-	-	-	-	-	-	-	-	0.46	0.62	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	1.2	-	-	-	-	0.89
Butyl benzylphthalate	100	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Carbazole	NA	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Chrysene	70	NA	-	-	-	4	-	-	-	-	-	-	-	-	-	1.1	1.6	ND (0.37)	-	-	-	0.86	-	-	-	-	0.98
Dibenz(a,h)anthracene	0.7	NA	-	-	-	0.41	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.26)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Dibenzofuran	100	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	0.52	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Diethyl phthalate	10	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Di-n-butylphthalate	50	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.8)	ND (1)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Fluoranthene	1000	NA	-	-	-	5.8	-	-	-	-	-	-	-	-	-	2.6	4.4	0.67	-	-	-	2.3	-	-	-	-	1.9
Fluorene	1000	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.31	0.86	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	1.3	-	-	-	-	-	-	-	-	-	0.81	0.85	ND (0.37)	-	-	-	0.46	-	-	-	-	0.49
Isophorone	100	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Naphthalene	4	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.23	0.29	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Pentachlorophenol	3	NA	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.74)	-	-	-	ND (0.77)	-	-	-	-	ND (0.72)
Phenanthrene	10	NA	-	-	-	2.3	-	-	-	-	-	-	-	-	-	2.3	4.9	0.47	-	-	-	2.2	-	-	-	-	1.6
Phenol	1	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)
Pyrene	1000	NA	-	-	-	5.6	-	-	-	-	-	-	-	-	-	2.3	3.6	0.52	-	-	-	2.3	-	-	-	-	1.7
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	37.93	-	-	-	-	-	-	-	-	-	15.49	24.75	1.66	-	-	-	12.47	-	-	-	-	10.94

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B15	B15	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16A	B16A	B17	B17	B17	B17	B17	B17	B17	B17	B17	B18
Sample Name			B15_S9_17.5-19.5	B15_S10_19.5-21.5	B16_S1_2-3.5	B16_S6_2-11.5	B16_S2_3.5-5.5	B16_S3_5.5-7.5	B16_S4_7.5-9.5	B16_S5_9.5-11.5	B16_S7_11.5-13.5	B16_S8_13.5-15.5	B16_S9_15.5-17.5	B16_S10_17.5-19.5	B16_S11_19.5-21.5	B16A_S1_0.7-7.5	B16A_S2_7.5-13.5	B17_S1_1-3	B17_S2_3-5	B17_S3_5-7	B17_S4_7-9	B17_S6_3-13	B17_S5_11-13	B17_S7_13-15	B17_S8_17-19	B17_S9_21-23	B18_S1_0.5-2.2
Sample Date			07/15/2010	07/15/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	02/05/2015	02/05/2015	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/15/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134789-24	134789-25	134718-14	134718-27 134718-31 134718-35 134936-3 134936-5	134718-15	134718-16	134718-17 134718-17RA1	134718-18	134718-19	134718-20	134718-21	134718-22	134718-23	15B0159-01 15B0388-01	15B0159-02 15B0388-02	134789-30 134789-36 134789-40 134958-2	134789-26	134789-27	134789-28	134834-15 134834-17 134834-2 135005-1	134834-1 134834-1RA1	134834-3	134834-4	134834-5	134789-29 134789-33 134789-37 134958-1
Sample Depth (bgs)			17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2 - 3.5 (ft)	2 - 11.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	0.7 - 7.5 (ft)	7.5 - 13.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	3 - 13 (ft)	11 - 13 (ft)	13 - 15 (ft)	17 - 19 (ft)	21 - 23 (ft)	0.5 - 2.2 (ft)
Sample Elevation (ft BCB)			0 to -2	-2 to -4	15.5 to 14	15.5 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10	10 to 4	16 to 14	14 to 12	12 to 10	10 to 8	14 to 4	6 to 4	4 to 2	0 to -2	-4 to -6	16.5 to 14.8
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	730	260	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	240	-	-	-	-	-	-	-	-	-	-	-	150	-	-	-	100	-	-	-	-	170
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	260	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	120	-	-	-	-	180
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	110	-	-	-	-	170
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	57	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	ND (34)	-	-	-	-	ND (33)
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	7.5	-	-	-	-	18
Arsenic	20	NA	-	-	-	ND (3.5)	-	-	-	-	-	-	-	-	-	9.8	12	ND (3.4)	-	-	-	ND (3.5)	-	-	-	-	ND (3.6)
Barium	1000	NA	-	-	-	150	-	-	-	-	-	-	-	-	-	160	260	57	-	-	-	49	-	-	-	-	140
Beryllium	90	NA	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-	-	-	ND (0.36)
Cadmium	70	NA	-	-	-	10	-	-	-	-	-	-	-	-	-	3.1	5.1	1.6	-	-	-	1.6	-	-	-	-	7.4
Chromium	100	NA	-	-	-	**170**	-	-	-	-	-	-	-	-	-	19	18	11	-	-	-	8.9	-	-	-	-	23
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	**2300**	-	-	-	-	-	-	-	-	-	**4500**	**1800**	**470**	-	-	-	**570**	-	-	-	-	**1900**
Mercury	20	NA	-	-	-	0.19	-	-	-	-	-	-	-	-	-	0.52	2.2	0.13	-	-	-	0.31	-	-	-	-	0.51
Nickel	600	NA	-	-	-	93	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	13	-	-	-	-	27
Selenium	400	NA	-	-	-	ND (7)	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (7.1)	ND (5.6)	-	-	-	ND (5.8)	-	-	-	-	ND (6)
Silver	100	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (0.55)	ND (0.71)	ND (1.1)	-	-	-	ND (1.2)	-	-	-	-	ND (1.2)
Thallium	8	NA	-	-	-	**21**	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	-	6.7	-	-	-	-	**8**
Vanadium	400	NA	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	12	-	-	-	-	46
Zinc	1000	NA	-	-	-	**1000**	-	-	-	-	-	-	-	-	-	-	-	230	-	-	-	140	-	-	-	-	750
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	1.8	-	-	-	-	-	-	-	-	-	12	0.11	0.5	-	-	-	1.5	-	-	-	-	0.4
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	ND (0.067)	**ND (9.7)**	-	**ND (22)**	**ND (5)**	ND (0.051)	ND (0.99)	**ND (5)**	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	**ND (1.1)**	**ND (1.3)**	ND (0.053)	**ND (1.3)**	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	**ND (1.1)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	ND (0.067)	**ND (9.7)**	-	**ND (22)**	**ND (5)**	ND (0.051)	ND (0.99)	**ND (5)**	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	**ND (1.1)**	**ND (1.3)**	ND (0.053)	**ND (1.3)**	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	**ND (1.1)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	ND (0.067)	**ND (9.7)**	-	**ND (22)**	**ND (5)**	ND (0.051)	ND (0.99)	**ND (5)**	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	**ND (1.1)**	**ND (1.3)**	ND (0.053)	**ND (1.3)**	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	**ND (1.1)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	ND (0.067)	**ND (9.7)**	-	**ND (22)**	**ND (5)**	ND (0.051)	ND (0.99)	**ND (5)**	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	**ND (1.1)**	**ND (1.3)**	ND (0.053)	**ND (1.3)**	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	**ND (1.1)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	ND (0.067)	**ND (9.7)**	-	**ND (22)**	**ND (5)**	ND (0.051)	ND (0.99)	**ND (5)**	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	**ND (1.1)**	**ND (1.3)**	ND (0.053)	**ND (1.3)**	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	**ND (1.1)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	ND (0.067)	**45**	-	**130**	**49**	0.66	**3.3**	**47**	ND (0.051)	0.13	ND (0.057)	ND (0.055)	-	-	**7.2**	**5.4**	0.19	**8.1**	-	**1.6**	0.27	ND (0.063)	ND (0.064)	**12**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.05)	ND (0.067)	**26**	-	**78**	**28**	0.33	**1.8**	**26**	ND (0.051)	0.072	ND (0.057)	ND (0.055)	-	-	**3.8**	**4.3**	0.17	**9.8**	-	**1.1**	0.17	ND (0.063)	ND (0.064)	**7.1**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)
SUM of PCBs	1	NA	ND	ND	**71**	-	**208**	**77**	0.99	**5.1**	**73**	ND	0.202	ND	ND	-	-	**11**	**9.7**	0.36	**17.9**	-	**2.7**	0.44	ND	ND	**19.1**
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	84.2	65.6	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	ND (4)	ND (50)	-	-	-	ND (50)	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	ND (20)	ND (100)	-	-	-	ND (100)	-	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	420	-	-	-	-	-	-	-	-	-	57	78	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	NI	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	6.7	-	-	-	-	-	-	-	-	-	9.5	7.8	8.5	-	-	-	7.4	-	-	-	-	7.8
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	ND (1.1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	ND (1.1)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	ND (1.1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	ND (1.1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	ND (1.1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B18	B18	B18	B18	B18	B18	B18	B18	B18	B18	B19	B19	B19	B19	B19	B19	B19	B19	B19	B19	B19	B19	B20	B20	B20	B20	B20
Sample Name			B18_S11_2.6-11	B18_S2_2.6-3	B18_S3_3-5	B18_S4_7-9	B18_S5_9-11	B18_S6_11-13	B18_S7_15-17	B18_S8_17-19	B18_S9_19-21	B18_S10_21.5-23	B19_S1_0.5-1	B19_S2_1-3	B19_S3_3-5	B19_S4_5-7	B19_S5_7-9	B19_S6_9-11	B19_S7_11-13	B19_S8_0.5-13	B19_S9_13-15	B19_S10_15-17	B19_S11_17-19	B19_S12_19-21	B20_S1_1.1-3.1	B20_S2_3.1-5.1	B20_S3_5.1-7.1	B20_S4_7.1-9.1	B20_S5_9.1-11.1
Sample Date			07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134789-31 134789-34 134789-38 134958-3	134789-1	134789-2	134789-3	134789-4	134789-5 134789-5RA1	134789-6	134789-7	134789-8	134789-9	134789-10	134789-11	134789-12	134789-13	134789-14	134789-15	134789-16	134834-16 134834-18 134834-6 135005-2	134834-7	134834-8	134834-9	134834-10	138861-22 138861-22RA1	138861-23	138861-24	138861-25	138861-26
Sample Depth (bgs)			2.6 - 11 (ft)	2.6 - 3 (ft)	3 - 5 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21.5 - 23 (ft)	0.5 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0.5 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)
Sample Elevation (ft BCB)			14.4 to 6	14.4 to 14	14 to 12	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-4.5 to -6	16.5 to 16	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	16.5 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Acetone	6	NA	ND (0.23)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	-	-	-
Benzene	2	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	ND (0.057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.054)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Styrene	3	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Toluene	30	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	0.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	**2.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.99	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	0.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.78)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
Phenol	1	NA	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	45.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.34	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B18	B18	B18	B18	B18	B18	B18	B18	B18	B18	B19	B19	B19	B19	B19	B19	B19	B19	B19	B19	B19	B19	B20	B20	B20	B20	B20
Sample Name			B18_S11_2.6-11	B18_S2_2.6-3	B18_S3_3-5	B18_S4_7-9	B18_S5_9-11	B18_S6_11-13	B18_S7_15-17	B18_S8_17-19	B18_S9_19-21	B18_S10_21.5-23	B19_S1_0.5-1	B19_S2_1-3	B19_S3_3-5	B19_S4_5-7	B19_S5_7-9	B19_S6_9-11	B19_S7_11-13	B19_S8_0.5-13	B19_S9_13-15	B19_S10_15-17	B19_S11_17-19	B19_S12_19-21	B20_S1_1.1-3.1	B20_S2_3.1-5.1	B20_S3_5.1-7.1	B20_S4_7.1-9.1	B20_S5_9.1-11.1
Sample Date			07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134789-31 134789-34 134789-38 134958-3	134789-1	134789-2	134789-3	134789-4	134789-5 134789-5RA1	134789-6	134789-7	134789-8	134789-9	134789-10	134789-11	134789-12	134789-13	134789-14	134789-15	134789-16	134834-16 134834-18 134834-6 135005-2	134834-7	134834-8	134834-9	134834-10	138861-22 138861-22RA1	138861-23	138861-24	138861-25	138861-26
Sample Depth (bgs)			2.6 - 11 (ft)	2.6 - 3 (ft)	3 - 5 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21.5 - 23 (ft)	0.5 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0.5 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)
Sample Elevation (ft BCB)			14.4 to 6	14.4 to 14	14 to 12	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-4.5 to -6	16.5 to 16	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	16.5 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (35)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	ND (3.7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.6)	-	-	-	-	-	-	-	-	-
Barium	1000	NA	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	-	-	-	-	-
Chromium	100	NA	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	**630**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**200**	-	-	-	-	-	-	-	-	-
Mercury	20	NA	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-
Nickel	600	NA	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-
Selenium	400	NA	ND (7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (8)	-	-	-	-	-	-	-	-	-
Silver	100	NA	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**24**	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	510	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	-	**ND (45)**	**ND (1.2)**	ND (0.055)	**ND (1.1)**	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	**ND (8.3)**	**ND (2.5)**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	-	**ND (45)**	**ND (1.2)**	ND (0.055)	**ND (1.1)**	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	**ND (8.3)**	**ND (2.5)**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	-	**ND (45)**	**ND (1.2)**	ND (0.055)	**ND (1.1)**	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	**ND (8.3)**	**ND (2.5)**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	-	**ND (45)**	**ND (1.2)**	ND (0.055)	**ND (1.1)**	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	**ND (8.3)**	**ND (2.5)**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	-	**ND (45)**	**ND (1.2)**	ND (0.055)	**ND (1.1)**	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	**ND (8.3)**	**ND (2.5)**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	-	**180**	**3.9**	0.21	**2.5**	0.85	ND (0.051)	ND (0.052)	ND (0.06)	0.26	0.074	**12**	**7.4**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	**2.4**	0.8	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	-	**100**	**2**	0.14	**1.5**	0.71	ND (0.051)	ND (0.052)	ND (0.06)	0.19	0.053	**ND (8.3)**	**3.5**	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	**1.7**	0.55	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)
SUM of PCBs	1	NA	-	**280**	**5.9**	0.35	**4**	**1.56**	ND	ND	ND	0.45	0.127	**12**	**10.9**	ND	ND	ND	ND	-	ND	ND	ND	ND	**4.1**	**1.35**	ND	ND	ND
Other																													
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B20	B21	B21	B21	B21	B22	B22	B22	B22	C4	C4	C4	C4	C5	C5	C5	C5	C5	C5	C5	C6	C6	C6	C6	C6A	C6A	C6A	C6A	C7	C7
Sample Name			B20_S6_11.1-13.1	B21_S1_3-4	B21_S2_4-5	B21_S3_5-7	B21_S4_7-9	B22_S1_0.0-0.8	B22_S2_0.8-2.8	B22_S3_2.8-4.8	B22_S4_4.8-6.8	C4_S1_0.7-1.7	C4_S2_1.7-3.7	C4_S3_3.7-5.7	C4_S4_5.7-7.7	C5_S1_1-6	C5_S3_1-2	C5_S4_2-4	C5_S5_4-6	C5_S2_6-8	C5_S6_6-8	C6_S1_2-5	Z6_S1_2-5	C6_S2_5-7	C6_S3_7-9	C6A_S1_1-6.5	C6A_S3_1-2.5	C6A_S4_2.5-4.5	C6A_S2_6.5-8.5	C7_S2_4.6-7.0	C7_S3_7-9
Sample Date			12/29/2010	01/14/2011	01/14/2011	01/14/2011	01/14/2011	11/30/2015	11/30/2015	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/29/2015	01/29/2015	01/29/2015	01/29/2015	12/16/2010	12/16/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																														
Lab Sample ID			138861-27	139182-16	139182-17	139182-18	139182-19	15K1347-02	15K1347-03	15K1347-04	15K1347-05	15L0053-10	15L0053-11	15L0053-12	15L0053-13	15A0943-01 15A0943-01RE1	15A0943-03	15A0943-04	15A0943-05	15A0943-02	15A0943-06	139069-1	139069-6	139069-2	139069-3	15A0944-01 15A0944-01RE1	15A0944-03	15A0944-04	15A0944-02	138653-44	138653-35
Sample Depth (bgs)			11.1 - 13.1 (ft)	3 - 4 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	15B0131-01 1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	2 - 5 (ft)	2 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	1 - 6.5 (ft)	1 - 2.5 (ft)	2.5 - 4.5 (ft)	6.5 - 8.5 (ft)	4.6 - 7 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			6 to 4	14 to 13	13 to 12	12 to 10	10 to 8	16.8 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 14	17 to 14	14 to 12	12 to 10	17.7 to 12.2	17.7 to 16.2	16.2 to 14.2	12.2 to 10.2	16.4 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																																
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.068)	-	-	-	ND (0.067)	-	-	-	-	-	ND (0.085)	-	-	ND (0.11)	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	0.0026	-	-	ND (0.0022)	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	ND (0.0067)	-	-	-	-	-	ND (0.0085)	-	-	ND (0.011)	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	ND (0.0067)	-	-	-	-	-	0.16	-	-	ND (0.011)	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	-	-	-	-	0.1626	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																																
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.74)**	-	-	-	ND (0.36)	-	-	-	-	-	**ND (0.8)**	-	-	ND (0.4)	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.74)**	-	-	-	ND (0.36)	-	-	-	-	-	**ND (0.8)**	-	-	ND (0.4)	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.74)**	-	-	-	ND (0.36)	-	-	-	-	-	**ND (0.8)**	-	-	ND (0.4)	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**1.2**	-	-	-	ND (0.18)	-	-	-	-	-	0.42	-	-	ND (0.2)	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	-	-	-	ND (0.18)	-	-	-	-	-	1.8	-	-	ND (0.2)	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**2.7**	-	-	-	ND (0.18)	-	-	-	-	-	ND (0.4)	-	-	ND (0.2)	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	ND (0.18)	-	-	-	-	-	3.4	-	-	0.24	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**14**	-	-	-	0.56	-	-	-	-	-	5.1	-	-	0.85	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**14**	-	-	-	0.64	-	-	-	-	-	**4**	-	-	0.91	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**17**	-	-	-	0.76	-	-	-	-	-	5.1	-	-	1.1	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	0.43	-	-	-	-	-	2.3	-	-	0.57	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	0.26	-	-	-	-	-	2	-	-	0.45	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	0.6	-	-	-	-	-	4.8	-	-	0.84	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**2.6**	-	-	-	ND (0.18)	-	-	-	-	-	0.5	-	-	ND (0.2)	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	ND (0.36)	-	-	-	-	-	1.1	-	-	ND (0.4)	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.72)	-	-	-	-	-	ND (1.6)	-	-	ND (0.79)	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	0.69	-	-	-	-	-	12	-	-	1.4	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.18)	-	-	-	-	-	2	-	-	ND (0.2)	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**9.4**	-	-	-	0.41	-	-	-	-	-	2.1	-	-	0.59	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	ND (0.18)	-	-	-	-	-	0.8	-	-	ND (0.2)	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**18**	-	-	-	0.32	-	-	-	-	-	**13**	-	-	0.84	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	0.97	-	-	-	-	-	11	-	-	1.8	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	173.07	-	-	-	5.64	-	-	-	-	-	71.42	-	-	9.59	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			B20	B21	B21	B21	B21	B22	B22	B22	B22	C4	C4	C4	C4	C5	C5	C5	C5	C5	C5	C5	C6	C6	C6	C6	C6A	C6A	C6A	C6A	C7	C7
Sample Name			B20_S6_11.1-13.1	B21_S1_3-4	B21_S2_4-5	B21_S3_5-7	B21_S4_7-9	B22_S1_0.0-0.8	B22_S2_0.8-2.8	B22_S3_2.8-4.8	B22_S4_4.8-6.8	C4_S1_0.7-1.7	C4_S2_1.7-3.7	C4_S3_3.7-5.7	C4_S4_5.7-7.7	C5_S1_1-6	C5_S3_1-2	C5_S4_2-4	C5_S5_4-6	C5_S2_6-8	C5_S6_6-8	C6_S1_2-5	Z6_S1_2-5	C6_S2_5-7	C6_S3_7-9	C6A_S1_1-6.5	C6A_S3_1-2.5	C6A_S4_2.5-4.5	C6A_S2_6.5-8.5	C7_S2_4.6-7.0	C7_S3_7-9
Sample Date			12/29/2010	01/14/2011	01/14/2011	01/14/2011	01/14/2011	11/30/2015	11/30/2015	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/29/2015	01/29/2015	01/29/2015	01/29/2015	12/16/2010	12/16/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138861-27	139182-16	139182-17	139182-18	139182-19	15K1347-02	15K1347-03	15K1347-04	15K1347-05	15L0053-10	15L0053-11	15L0053-12	15L0053-13	15A0943-01 15A0943-01RE1 15B0131-01	15A0943-03	15A0943-04	15A0943-05	15A0943-02	15A0943-06	139069-1	139069-6	139069-2	139069-3	15A0944-01 15A0944-01RE1 15B0129-01	15A0944-03	15A0944-04	15A0944-02 15B0129-02	138653-44	138653-35
Sample Depth (bgs)			11.1 - 13.1 (ft)	3 - 4 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	2 - 5 (ft)	2 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	1 - 6.5 (ft)	1 - 2.5 (ft)	2.5 - 4.5 (ft)	6.5 - 8.5 (ft)	4.6 - 7 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			6 to 4	14 to 13	13 to 12	12 to 10	10 to 8	16.8 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 14	17 to 14	14 to 12	12 to 10	17.7 to 12.2	17.7 to 16.2	16.2 to 14.2	12.2 to 10.2	16.4 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	120	-	-	-	-	-	390	-	-	3000	-	-
EPH (mg/kg)																																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																																
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	ND (2.7)	-	-	-	-	-	4.5	-	-	12	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	26	-	-	-	-	-	150	-	-	130	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	0.32	-	-	-	-	-	2.5	-	-	0.77	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	10	-	-	-	-	-	23	-	-	10	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**6900**	-	-	-	68	-	-	-	-	-	**990**	-	-	**2200**	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	0.36	-	-	-	-	-	1.3	-	-	1.6	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.2)	-	-	-	ND (5.3)	-	-	-	-	-	ND (5.5)	-	-	ND (5.5)	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.52)	-	-	-	ND (0.53)	-	-	-	-	-	ND (0.55)	-	-	ND (0.55)	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																																
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	-	-	-	-	-	-	-	-	-	0.42	-	-	1.1	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	**ND (1.1)**	ND (0.11)	-	ND (0.11)	**ND (4.5)**	**ND (2.3)**	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	**ND (9.6)**	**ND (23)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	**ND (1.1)**	ND (0.11)	-	ND (0.11)	**ND (4.5)**	**ND (2.3)**	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	**ND (9.6)**	**ND (23)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	**ND (1.1)**	ND (0.11)	-	ND (0.11)	**ND (4.5)**	**ND (2.3)**	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	**ND (9.6)**	**ND (23)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	**ND (1.1)**	ND (0.11)	-	ND (0.11)	**ND (4.5)**	**ND (2.3)**	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	**ND (9.6)**	**ND (23)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.44	ND (0.11)	ND (0.12)	-	0.49	**6**	ND (0.11)	-	ND (0.11)	**ND (4.5)**	**ND (2.3)**	ND (0.053)	ND (0.051)	-	ND (0.11)	0.43	-	**ND (9.6)**	**ND (23)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	**1.1**	ND (0.11)	ND (0.12)	-	0.67	**6.8**	0.13	-	ND (0.11)	**21**	**15**	0.056	0.054	-	0.25	**1.2**	-	**56**	**33**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	**1.2**	ND (0.11)	ND (0.12)	-	0.39	**6.6**	ND (0.11)	-	ND (0.11)	**14**	**9.2**	ND (0.053)	0.051	-	0.4	**1.8**	-	**32**	**ND (23)**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (9.6)	ND (23)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (9.6)	ND (23)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.74**	ND	ND	-	**1.55**	**19.4**	0.13	-	ND	**35**	**24.2**	0.056	0.105	-	0.65	**3.43**	-	**88**	**33**
Other																																
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	93.4	89	94.7	86.4	87.2	94.6	89.7	85	91.6	96.5	92.9	87.3	93.5	93.5	-	-	-	-	84.8	93	87.9	84	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	ND (4)	-	-	-	-	-	ND (3.9)	-	-	ND (3.9)	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (20)	-	-	-	-	-	ND (19)	-	-	ND (20)	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	77	-	-	-	82	-	-	-	-	-	86	-	-	110	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	NI	-	-	-	-	-	NI	-	-	NI	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	-	-	8.4	-	-	-	-	-	11	-	-	8.2	-	-
VPH (mg/kg)																																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C7	C7A	C7A	C8	C8	C8	C8	C8	C8	C8	C8	C9	C9	C9	C9	C9	C9	C9A	C10	C10	C10	C11	C11	C11
Sample Name			C7_S4_9-11	C7A_S1_4.3-7.0	C7A_S2_4.9-6.9	C8_S2_4.3-6.5	C8_S3_4.3-8.0	C8_S8_7.0-9.0	C8_S5_8.0-13.0	C8_S4_9.0-11.0	C8_S5_11.0-13.0	C8_S6_13.0-15.0	C8_S7_15.0-17.0	C9_S1_5-7	C9_S2_7.0-7.7	C9_S2_8-9	C9_S3_9-11	C9_S4_11-13	C9A_S1_4.3-9.3	C10_S1_4.3-5.3	C10_S2_5.3-7.3	C10_S3_7.3-9.3	C11_S1_4.5-7.0	C11_S1_4.5-9.5	C11_S2_7-9
Sample Date			12/16/2010	01/29/2015	01/29/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	01/10/2011	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/30/2015	01/30/2015	01/30/2015	01/30/2015	12/17/2010	12/17/2010	12/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138653-36	15A0941-01 15A0941-01RE1 15B0130-01	15A0941-02	138653-38	138653-55 138653-65 138653-76 138803-2 138803-3 138803-8	138653-78	138653-66 138653-77 138803-9	138653-39 138653-39RA1	138653-40	138653-41	138653-42	139069-4	139069-5	139103-19	139103-26	139103-20	139103-21	15A1003-01 15B0195-01RE1	15A1005-01	15A1005-02	15A1005-03	138690-1	138690-42 138690-52 138690-64	138690-2
Sample Depth (bgs)			9 - 11 (ft)	4.3 - 7 (ft)	4.9 - 6.9 (ft)	4.3 - 6.5 (ft)	4.3 - 8 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	5 - 7 (ft)	7 - 7.7 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	4.4 - 8.2 (ft)	4.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	4.5 - 7 (ft)	4.5 - 9.5 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			12 to 10	16.6 to 13.9	16 to 14	16.7 to 14.5	16.7 to 13	14 to 12	13 to 8	12 to 10	10 to 8	8 to 6	6 to 4	16 to 14	14 to 13.3	13 to 12	13 to 12	12 to 10	10 to 8	16.9 to 13.1	17 to 16	16 to 14	14 to 12	16.5 to 14	16.5 to 11.5	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL/FILL	HYDRAULIC FILL/FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL/HYDRAULIC FILL	FILL/HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.0038)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	ND (0.005)	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.0038)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	ND (0.005)	-
1,2,4-Trimethylbenzene	1000	NA	-	0.0022	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Acetone	6	NA	-	ND (0.096)	-	-	ND (2.7)	-	ND (0.21)	-	-	-	-	-	-	-	-	-	-	ND (0.072)	-	-	-	-	ND (0.22)	-
Benzene	2	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Chlorobenzene	1	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.0038)	-	-	**ND (0.27)**	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Ethylbenzene	40	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Isopropylbenzene	1000	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
m,p-Xylenes	NA	NA	-	ND (0.0038)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	ND (0.005)	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0038)	-	-	**ND (0.27)**	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	ND (0.005)	-
Methylene chloride	0.1	NA	-	ND (0.0096)	-	-	**ND (1.1)**	-	ND (0.054)	-	-	-	-	-	-	-	-	-	-	ND (0.0072)	-	-	-	-	ND (0.054)	-
Naphthalene	4	NA	-	0.021	-	-	1.1	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0072)	-	-	-	-	ND (0.005)	-
n-Propylbenzene	100	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
o-Xylene	NA	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Styrene	3	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Tetrachloroethene	1	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Toluene	30	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
Trichloroethene	0.3	NA	-	ND (0.0019)	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	ND (0.005)	-
SUM of Volatile Organic Compounds	NA	NA	-	0.0232	-	-	1.1	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
1,4-Dichlorobenzene	0.7	NA	-	**ND (0.79)**	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.38)	-
2,4-Dimethylphenol	0.7	NA	-	**ND (0.79)**	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.38)	-
2,4-Dinitrotoluene	0.7	NA	-	**ND (0.79)**	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.38)	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
2-Chloronaphthalene	1000	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
2-Methylnaphthalene	0.7	NA	-	**4.9**	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**1.5**	-	-	-	-	ND (0.38)	-
2-Methylphenol	500	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
3&4-Methylphenol	NA	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Acenaphthene	4	NA	-	**9.1**	-	-	0.58	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	0.62	-
Acenaphthylene	1	NA	-	**2.1**	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	ND (0.38)	-
Acetophenone	NA	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Aniline	NA	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Anthracene	1000	NA	-	15	-	-	1.4	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	1	-
Benzo(a)anthracene	7	NA	-	**11**	-	-	2.7	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	2.6	-
Benzo(a)pyrene	2	NA	-	**6.7**	-	-	**2.7**	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	**2.5**	-	-	-	-	**2.1**	-
Benzo(b)fluoranthene	7	NA	-	**9.2**	-	-	4.6	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	2.9	-
Benzo(g,h,i)perylene	1000	NA	-	3.2	-	-	0.49	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	0.82	-
Benzo(k)fluoranthene	70	NA	-	3.6	-	-	1.5	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	1	-
bis(2-Ethylhexyl)phthalate	90	NA	-	6.4	-	-	7.9	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	0.65	-
Butyl benzylphthalate	100	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Carbazole	NA	NA	-	-	-	-	0.47	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	-
Chrysene	70	NA	-	9.5	-	-	3	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	2.7	-
Dibenz(a,h)anthracene	0.7	NA	-	**0.97**	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (0.8)**	-	-	-	-	ND (0.38)	-
Dibenzofuran	100	NA	-	9.6	-	-	0.59	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Diethyl phthalate	10	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Di-n-butylphthalate	50	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Di-n-octyl phthalate	1000	NA	-	ND (1.5)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (3.2)	-	-	-	-	ND (0.38)	-
Fluoranthene	1000	NA	-	30	-	-	6.4	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	5.2	-
Fluorene	1000	NA	-	13	-	-	0.88	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	0.53	-
Indeno(1,2,3-cd)pyrene	7	NA	-	3.4	-	-	0.67	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	1.1	-
Isophorone	100	NA	-	ND (0.79)	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Naphthalene	4	NA	-	3.5	-	-	0.72	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	ND (0.38)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Pentachlorophenol	3	NA	-	ND (0.79)	-	-	ND (0.38)	-	**ND (3.8)**	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.38)	-
Phenanthrene	10	NA	-	**45**	-	-	5.5	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	3.9	-
Phenol	1	NA	-	ND (0.79)	-	-	ND (0.38)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.38)	-
Pyrene	1000	NA	-	27	-	-	4.8	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	6.6	-	-	-	-	4.9	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	213.17	-	-	44.9	-	ND	-	-	-	-	-	-	-	-	-	-	48.2	-	-	-	-	30.6	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C7	C7A	C7A	C8	C8	C8	C8	C8	C8	C8	C8	C9	C9	C9	C9	C9	C9	C9A	C10	C10	C10	C11	C11	C11
Sample Name			C7_S4_9-11	C7A_S1_4.3-7.0	C7A_S2_4.9-6.9	C8_S2_4.3-6.5	C8_S3_4.3-8.0	C8_S8_7.0-9.0	C8_S5_8.0-13.0	C8_S4_9.0-11.0	C8_S5_11.0-13.0	C8_S6_13.0-15.0	C8_S7_15.0-17.0	C9_S1_5-7	C9_S2_7.0-7.7	C9_S2_8-9	Z9_S2_8-9	C9_S3_9-11	C9_S4_11-13	C9A_S1_4.3-9.3	C10_S1_4.3-5.3	C10_S2_5.3-7.3	C10_S3_7.3-9.3	C11_S1_4.5-7.0	C11_S1_4.5-9.5	C11_S2_7-9
Sample Date			12/16/2010	01/29/2015	01/29/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	01/10/2011	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/30/2015	01/30/2015	01/30/2015	01/30/2015	12/17/2010	12/17/2010	12/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138653-36	15A0941-01 15A0941-01RE1 15B0130-01	15A0941-02	138653-38	138653-55 138653-65 138653-76 138803-2 138803-3 138803-8	138653-78	138653-56 138653-66 138653-77 138803-9	138653-39 138653-39RA1	138653-40	138653-41	138653-42	139069-4	139069-5	139103-19	139103-26	139103-20	139103-21	15A1003-01 15B0195-01RE1	15A1005-01	15A1005-02	15A1005-03	138690-1	138690-42 138690-52 138690-64	138690-2
Sample Depth (bgs)			9 - 11 (ft)	4.3 - 7 (ft)	4.9 - 6.9 (ft)	4.3 - 6.5 (ft)	4.3 - 8 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	5 - 7 (ft)	7 - 7.7 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	4.4 - 8.2 (ft)	4.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	4.5 - 7 (ft)	4.5 - 9.5 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			12 to 10	16.6 to 13.9	16 to 14	16.7 to 14.5	16.7 to 13	14 to 12	13 to 8	12 to 10	10 to 8	8 to 6	6 to 4	16 to 14	14 to 13.3	13 to 12	13 to 12	12 to 10	10 to 8	16.9 to 13.1	17 to 16	16 to 14	14 to 12	16.5 to 14	16.5 to 11.5	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL/FILL	HYDRAULIC FILL/FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL/HYDRAULIC FILL	FILL/HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	500	-	460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	540	-	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	570	-	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	80	-	710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	**34**	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-
Arsenic	20	NA	-	9.5	-	-	6.8	-	ND (3.9)	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	ND (3.5)	-
Barium	1000	NA	-	380	-	-	510	-	52	-	-	-	-	-	-	-	-	-	-	420	-	-	-	-	53	-
Beryllium	90	NA	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Cadmium	70	NA	-	8.8	-	-	10	-	1.4	-	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-	0.99	-
Chromium	100	NA	-	39	-	-	48	-	9.8	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	17	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	**2500**	-	-	**2800**	-	**320**	-	-	-	-	-	-	-	-	-	-	**2700**	-	-	-	-	89	-
Mercury	20	NA	-	2.2	-	-	6.4	-	0.69	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	0.47	-
Nickel	600	NA	-	-	-	-	74	-	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-
Selenium	400	NA	-	ND (5.7)	-	-	ND (6)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	ND (5.9)	-
Silver	100	NA	-	ND (0.57)	-	-	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	ND (1.2)	-
Thallium	8	NA	-	-	-	-	ND (6)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-
Vanadium	400	NA	-	-	-	-	110	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-
Zinc	1000	NA	-	-	-	-	**2700**	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	0.093	-	-	140	-	20	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	-	**ND (1.2)**	**ND (9.6)**	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	**ND (25)**	**ND (24)**	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	**ND (1.2)**	ND (0.11)	ND (0.045)	-	ND (0.049)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	-	**ND (1.2)**	**ND (9.6)**	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	**ND (25)**	**ND (24)**	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	**ND (1.2)**	ND (0.11)	ND (0.045)	-	ND (0.049)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	-	**ND (1.2)**	**ND (9.6)**	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	**ND (25)**	**ND (24)**	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	**ND (1.2)**	ND (0.11)	ND (0.045)	-	ND (0.049)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	-	**ND (1.2)**	**ND (9.6)**	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	**ND (25)**	**ND (24)**	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	**ND (1.2)**	ND (0.11)	ND (0.045)	-	ND (0.049)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	-	**5.6**	**ND (9.6)**	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	**ND (25)**	**ND (24)**	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	**3.7**	ND (0.11)	ND (0.045)	-	ND (0.049)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	-	**8.2**	**63**	-	0.16	-	**1**	ND (0.054)	0.12	0.058	**160**	**130**	0.15	0.17	0.24	0.37	-	0.81	**5.8**	ND (0.11)	0.38	-	ND (0.049)
Aroclor-1260 (PCB-1260)	1	NA	0.093	-	**3.8**	**32**	-	0.089	-	0.48	ND (0.054)	0.06	ND (0.053)	**80**	**74**	0.098	0.095	0.12	0.18	-	0.59	**1.9**	ND (0.11)	0.53	-	ND (0.049)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	-	ND (1.2)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	-	ND (1.2)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)
SUM of PCBs	1	NA	0.093	-	**17.6**	**95**	-	0.249	-	**1.48**	ND	0.18	0.058	**240**	**204**	0.248	0.265	0.36	0.55	-	**1.4**	**11.4**	ND	0.91	-	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	86.5	85.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84.9	94.1	81.8	92.9	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (3.9)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	91	-	-	440	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	11	-	-	6.8	-	7	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	6.9	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	1.8	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	2	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	4.3	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	3.5	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	8.2	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C11	C11	C11	C11	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C13	C13	C13	C13	C13	C13	C13
Sample Name			C11_S3_9-11	Z11_S3_9-11	C11_S4_9.5-14.5	C11_S5_14.5-19.5	C12_S12_4.5-18.5	C12_S2_4.5-5.2	C12_S3_5.2-7.2	C12_S4_7.2-9.2	C12_S5_9.2-11.2	C12_S6_11.2-13.2	C12_S7_13.2-15.2	C12_S8_15.2-17.2	C12_S9_17.2-19.2	C12_S10_19.2-21.2	C12_S11_21.2-23.2	C12_S13_23.2-24	C12_S14_24-25.2	C13_S2_4.0-6.0	C13_S3_6.0-8.0	C13_S4_3-10	C13_S5_8-10	C13_S6_10-12	C13_S7_12-14	C13_S8_14-16
Sample Date			12/17/2010	12/17/2010	12/17/2010	12/17/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/01/2010	07/01/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138690-3	138690-4	138690-38 138690-50 138690-62 138879-2	138690-39 138690-51 138690-63 138879-11 138879-9	134654-24 134654-34 134654-39 134865-3 134865-5	134654-14	134654-15	134654-16	134654-17	134654-18	134654-19	134654-20	134654-21	134654-22	134654-23	134654-25	134654-26	134447-1	134447-2	134478-20 134478-20RA1 134478-22 134478-25 134716-2	134478-1	134478-2	134478-3 134478-3RA1	134478-4
Sample Depth (bgs)			9 - 11 (ft)	9 - 11 (ft)	9.5 - 14.5 (ft)	14.5 - 19.5 (ft)	4.5 - 18.5 (ft)	4.5 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 24 (ft)	24 - 25.2 (ft)	4 - 6 (ft)	6 - 8 (ft)	3 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)			12 to 10	12 to 10	11.5 to 6.5	6.5 to 1.5	16.7 to 2.7	16.7 to 16	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.8	-2.8 to -4	17 to 15	15 to 13	18 to 11	13 to 11	11 to 9	9 to 7	7 to 5
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Acetone	6	NA	-	-	ND (0.25)	ND (0.24)	ND (0.23)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.24)	-	-	-	-
Benzene	2	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.062)	ND (0.06)	ND (0.058)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.06)	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Styrene	3	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Toluene	30	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.006)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.41)	0.51	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.41)	0.9	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.41)	1.5	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Aniline	NA	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Anthracene	1000	NA	-	-	ND (0.41)	3	0.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	0.58	4.2	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	0.43	**3.2**	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	0.59	4.2	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.41)	0.63	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	ND (0.41)	1.5	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.41)	0.47	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.41)	1.1	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Chrysene	70	NA	-	-	0.56	3.9	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Dibenzofuran	100	NA	-	-	ND (0.41)	0.98	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Fluoranthene	1000	NA	-	-	1.2	8.3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.41)	1.7	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.41)	0.8	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Isophorone	100	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.41)	0.71	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.41)	ND (0.41)	ND (0.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-
Phenanthrene	10	NA	-	-	1.3	9.8	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-
Phenol	1	NA	-	-	ND (0.41)	ND (0.41)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Pyrene	1000	NA	-	-	1.2	7.6	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	5.86	55	20.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.72	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C11	C11	C11	C11	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C12	C13	C13	C13	C13	C13	C13	C13
Sample Name			C11_S3_9-11	Z11_S3_9-11	C11_S4_9.5-14.5	C11_S5_14.5-19.5	C12_S12_4.5-18.5	C12_S2_4.5-5.2	C12_S3_5.2-7.2	C12_S4_7.2-9.2	C12_S5_9.2-11.2	C12_S6_11.2-13.2	C12_S7_13.2-15.2	C12_S8_15.2-17.2	C12_S9_17.2-19.2	C12_S10_19.2-21.2	C12_S11_21.2-23.2	C12_S13_23.2-24	C12_S14_24-25.2	C13_S2_4.0-6.0	C13_S3_6.0-8.0	C13_S4_3-10	C13_S5_8-10	C13_S6_10-12	C13_S7_12-14	C13_S8_14-16
Sample Date			12/17/2010	12/17/2010	12/17/2010	12/17/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/01/2010	07/01/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138690-3	138690-4	138690-38 138690-50 138690-62 138879-2	138690-39 138690-51 138690-63 138879-11 138879-9	134654-24 134654-34 134654-39 134865-3 134865-5	134654-14	134654-15	134654-16	134654-17	134654-18	134654-19	134654-20	134654-21	134654-22	134654-23	134654-25	134654-26	134447-1	134447-2	134478-20 134478-20RA1 134478-22 134478-25 134716-2	134478-1	134478-2	134478-3 134478-3RA1	134478-4
Sample Depth (bgs)			9 - 11 (ft)	9 - 11 (ft)	9.5 - 14.5 (ft)	14.5 - 19.5 (ft)	4.5 - 18.5 (ft)	4.5 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 24 (ft)	24 - 25.2 (ft)	4 - 6 (ft)	6 - 8 (ft)	3 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)			12 to 10	12 to 10	11.5 to 6.5	6.5 to 1.5	16.7 to 2.7	16.7 to 16	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.8	-2.8 to -4	17 to 15	15 to 13	18 to 11	13 to 11	11 to 9	9 to 7	7 to 5
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	55	140	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	77	170	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	48	86	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	680	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (25)	38	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	ND (1.3)	3.4	**50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**170**	-	-	-	-
Arsenic	20	NA	-	-	11	**29**	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Barium	1000	NA	-	-	210	**1300**	**1600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1100**	-	-	-	-
Beryllium	90	NA	-	-	ND (0.4)	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-
Cadmium	70	NA	-	-	1.1	2.7	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	-	-
Chromium	100	NA	-	-	12	56	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	**710**	**770**	**7100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**7300**	-	-	-	-
Mercury	20	NA	-	-	2.9	5.6	ND (0.021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-
Nickel	600	NA	-	-	9.9	13	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
Selenium	400	NA	-	-	ND (6.7)	ND (6.4)	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-
Silver	100	NA	-	-	ND (1.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-
Thallium	8	NA	-	-	ND (6.7)	ND (6.4)	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-
Vanadium	400	NA	-	-	23	37	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-
Zinc	1000	NA	-	-	**1200**	**2000**	**6200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**11000**	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	1.2	2.6	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-	-
Mercury	NA	0.2	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	**ND (4.7)**	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	**ND (11)**	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	**ND (4.7)**	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	**ND (11)**	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	**ND (4.7)**	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	**ND (11)**	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	**ND (4.7)**	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	**ND (11)**	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	**ND (4.7)**	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	**ND (11)**	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
Aroclor-1254 (PCB-1254)	1	NA	0.14	0.14	-	-	-	0.26	**28**	0.41	0.18	0.18	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	0.13	**65**	-	0.088	ND (0.048)	0.79	ND (0.05)
Aroclor-1260 (PCB-1260)	1	NA	0.13	0.13	-	-	-	0.39	**24**	0.46	0.17	0.18	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	0.093	**51**	-	0.093	ND (0.048)	0.56	ND (0.05)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.047)	ND (0.046)	-	-	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)
SUM of PCBs	1	NA	0.27	0.27	-	-	-	0.65	**52**	0.87	0.35	0.36	ND	ND	ND	ND	ND	ND	ND	0.223	**116**	-	0.181	ND	**1.35**	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	520	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	6.9	6.8	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.4)	ND (1.6)	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.4)	ND (1.6)	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.4)	ND (1.6)	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	1.6	ND (1.6)	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	1.9	2.3	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C13	C13	C13	C14	C14	C14	C14	C14	C14	C14	C14	C14	C14	C14	C15	C15	C15	C15	C15	C15	C15	C15	C15A	C15A	C15A
Sample Name			C13_S9_16-18	C13_S10_18-20	C13_S11_20-22	C14_S7_4.9-19	C14_S2_5-7	C14_S3_7.5-9	C14_S4_9-11	C14_S5_11-13	C14_S6_13-15	C14_S8_15-17	C14_S9_17-19	C14_S10_19-21	C14_S11_21-22.8	C14_S12_23-25	C15_S2_4.8-6.8	C15_S8_4.8-19.1	C15_S3_6.8-8.8	C15_S4_12.8-14.8	C15_S5_14.8-16.8	C15_S6_16.8-18.8	C15_S7_18.8-20.8	C15_S9_22.8-24.8	C15A_S1_5.0-9.0	C15A_S2_9.0-14.0	C15A_S3_14.0-19.0
Sample Date			07/02/2010	07/02/2010	07/02/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	12/21/2010	12/21/2010	12/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134478-5	134478-6	134478-7	134368-16 134368-24 134368-27 134570-3	134368-11 134368-11RA1	134368-12	134368-13	134368-14	134368-15	134368-17	134368-18	134368-19	134368-20	134368-21	134417-11 134417-11RA1	134417-24 134417-28 134417-33 134608-3 134608-4	134417-12	134417-13	134417-14	134417-15	134417-16	134417-17	138733-23 138733-34 138733-43 138975-2	138733-26 138733-35 138733-44 138975-3	138733-27 138733-36 138733-45 138975-4
Sample Depth (bgs)			16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	4.9 - 19 (ft)	5 - 7 (ft)	7.5 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 22.8 (ft)	23 - 25 (ft)	4.8 - 6.8 (ft)	4.8 - 19.1 (ft)	6.8 - 8.8 (ft)	12.8 - 14.8 (ft)	14.8 - 16.8 (ft)	16.8 - 18.8 (ft)	18.8 - 20.8 (ft)	22.8 - 24.8 (ft)	5 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)
Sample Elevation (ft BCB)			5 to 3	3 to 1	1 to -1	16.1 to 2	16 to 14	13.5 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -1.8	-2 to -4	16 to 14	16 to 1.7	14 to 12	8 to 6	6 to 4	4 to 2	2 to 0	-2 to -4	16 to 12	12 to 7	7 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Acetone	6	NA	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.23)	-	-	-	-	-	-	ND (0.29)	ND (0.31)	ND (0.31)
Benzene	2	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Chlorobenzene	1	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Ethylbenzene	40	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Isopropylbenzene	1000	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
m,p-Xylenes	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Methylene chloride	0.1	NA	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	ND (0.056)	-	-	-	-	-	-	ND (0.072)	ND (0.078)	ND (0.078)
Naphthalene	4	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
n-Propylbenzene	100	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
o-Xylene	NA	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Styrene	3	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Tetrachloroethene	1	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Toluene	30	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
Trichloroethene	0.3	NA	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)	ND (0.008)	ND (0.008)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	ND	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
2-Methylnaphthalene	0.7	NA	-	-	-	0.43	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	0.59
2-Methylphenol	500	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
3&4-Methylphenol	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	1.1
Acenaphthene	4	NA	-	-	-	0.96	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	0.86
Acenaphthylene	1	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
Acetophenone	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Aniline	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Anthracene	1000	NA	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	0.75	-	-	-	-	-	-	0.52	ND (2.1)	1.3
Benzo(a)anthracene	7	NA	-	-	-	3.2	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	1.1	ND (2.1)	1.5
Benzo(a)pyrene	2	NA	-	-	-	**2.8**	-	-	-	-	-	-	-	-	-	-	-	**4**	-	-	-	-	-	-	0.96	**ND (2.1)**	1.1
Benzo(b)fluoranthene	7	NA	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	1.3	ND (2.1)	1.3
Benzo(g,h,i)perylene	1000	NA	-	-	-	0.67	-	-	-	-	-	-	-	-	-	-	-	0.81	-	-	-	-	-	-	0.67	ND (2.1)	0.51
Benzo(k)fluoranthene	70	NA	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	0.41	ND (2.1)	0.47
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	0.65	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Butyl benzylphthalate	100	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Carbazole	NA	NA	-	-	-	0.87	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Chrysene	70	NA	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	4.1	-	-	-	-	-	-	1.1	ND (2.1)	1.5
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
Dibenzofuran	100	NA	-	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	0.8
Diethyl phthalate	10	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Di-n-butylphthalate	50	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Fluoranthene	1000	NA	-	-	-	6.1	-	-	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	-	-	2.4	ND (2.1)	3.8
Fluorene	1000	NA	-	-	-	0.99	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	1.1
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	0.81	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	0.71	ND (2.1)	0.54
Isophorone	100	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Naphthalene	4	NA	-	-	-	0.79	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-	ND (0.39)	ND (2.1)	1.4
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Pentachlorophenol	3	NA	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	ND (0.39)	ND (2.1)	ND (0.43)
Phenanthrene	10	NA	-	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	2.2	ND (2.1)	4.7
Phenol	1	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)	**ND (2.1)**	ND (0.43)
Pyrene	1000	NA	-	-	-	5.7	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-	-	-	1.9	ND (2.1)	3.3
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	41.15	-	-	-	-	-	-	-	-	-	-	-	39.24	-	-	-	-	-	-	13.27	ND	25.87

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C13	C13	C13	C14	C14	C14	C14	C14	C14	C14	C14	C14	C14	C14	C15	C15	C15	C15	C15	C15	C15	C15	C15A	C15A	C15A
Sample Name			C13_S9_16-18	C13_S10_18-20	C13_S11_20-22	C14_S7_4.9-19	C14_S2_5-7	C14_S3_7.5-9	C14_S4_9-11	C14_S5_11-13	C14_S6_13-15	C14_S8_15-17	C14_S9_17-19	C14_S10_19-21	C14_S11_21-22.8	C14_S12_23-25	C15_S2_4.8-6.8	C15_S8_4.8-19.1	C15_S3_6.8-8.8	C15_S4_12.8-14.8	C15_S5_14.8-16.8	C15_S6_16.8-18.8	C15_S7_18.8-20.8	C15_S9_22.8-24.8	C15A_S1_5.0-9.0	C15A_S2_9.0-14.0	C15A_S3_14.0-19.0
Sample Date			07/02/2010	07/02/2010	07/02/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	12/21/2010	12/21/2010	12/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134478-5	134478-6	134478-7	134368-16 134368-24 134368-27 134570-3	134368-11 134368-11RA1	134368-12	134368-13	134368-14	134368-15	134368-17	134368-18	134368-19	134368-20	134368-21	134417-11 134417-11RA1	134417-24 134417-28 134417-33 134608-3 134608-4	134417-12	134417-13	134417-14	134417-15	134417-16	134417-17	138733-23 138733-34 138733-43 138975-2	138733-26 138733-35 138733-44 138975-3	138733-27 138733-36 138733-45 138975-4
Sample Depth (bgs)			16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	4.9 - 19 (ft)	5 - 7 (ft)	7.5 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 22.8 (ft)	23 - 25 (ft)	4.8 - 6.8 (ft)	4.8 - 19.1 (ft)	6.8 - 8.8 (ft)	12.8 - 14.8 (ft)	14.8 - 16.8 (ft)	16.8 - 18.8 (ft)	18.8 - 20.8 (ft)	22.8 - 24.8 (ft)	5 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)
Sample Elevation (ft BCB)			5 to 3	3 to 1	1 to -1	16.1 to 2	16 to 14	13.5 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -1.8	-2 to -4	16 to 14	16 to 1.7	14 to 12	8 to 6	6 to 4	4 to 2	2 to 0	-2 to -4	16 to 12	12 to 7	7 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-	260	55	200
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	290	62	230
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	55	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	240	51	140
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	ND (34)	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	63	ND (26)	38
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	**91**	-	-	-	-	-	-	9.4	11	3.9
Arsenic	20	NA	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	-	-	ND (3.6)	11	**36**
Barium	1000	NA	-	-	-	190	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	94	240	190
Beryllium	90	NA	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.42)
Cadmium	70	NA	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	4.4	2.3	0.99
Chromium	100	NA	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	27	14	26
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	**460**	-	-	-	-	-	-	-	-	-	-	-	**4600**	-	-	-	-	-	-	**1700**	**1700**	**640**
Mercury	20	NA	-	-	-	**97**	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	1.6	2.6	2.9
Nickel	600	NA	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-	-	65	25	15
Selenium	400	NA	-	-	-	ND (13)	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	ND (6)	ND (7.2)	ND (7.1)
Silver	100	NA	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	ND (1.2)	ND (1.4)	ND (1.4)
Thallium	8	NA	-	-	-	ND (6)	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	ND (6)	ND (7.2)	ND (7.1)
Vanadium	400	NA	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	49	32	22
Zinc	1000	NA	-	-	-	380	-	-	-	-	-	-	-	-	-	-	-	430	-	-	-	-	-	-	530	**1100**	270
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	24	1.4	16
Mercury	NA	0.2	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**ND (4.4)**	-	**ND (2.4)**	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**ND (4.4)**	-	**ND (2.4)**	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**ND (4.4)**	-	**ND (2.4)**	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**ND (4.4)**	-	**ND (2.4)**	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	-	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**ND (4.4)**	-	**ND (2.4)**	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1254 (PCB-1254)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	**1.6**	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**61**	-	**11**	0.092	ND (0.062)	0.13	0.065	ND (0.058)	-	-	-
Aroclor-1260 (PCB-1260)	1	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	**1.4**	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	**40**	-	**6.5**	0.063	ND (0.062)	0.089	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.063)	ND (0.062)	ND (0.053)	-	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-	-	-
SUM of PCBs	1	NA	ND	ND	ND	-	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**101**	-	**17.5**	0.155	ND	0.219	0.065	ND	-	-	-
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	165 >	165 >	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	6.8	-	-	-	-	-	-	-	-	-	-	-	7.6	-	-	-	-	-	-	7	6.8	6.6
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)	ND (1.7)	ND (1.9)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)	ND (1.7)	ND (1.9)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)	ND (1.7)	ND (1.9)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)	ND (1.7)	2.1
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)	ND (1.7)	2.9

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C15A	C15A	C16	C16	C16	C16	C16	C16	C16	C16	C16	C16	C17	C17	C17	C17	C17	C17	C17	C17	C17	C17	C17A
Sample Name			C15A_S4_19.0-23.5	C15A_S5_23.5-28.0	C16_S2_5-7	C16_S3_7-9	C16_S8_5.1-16.6	C16_S4_10.6-12.6	C16_S5_12.6-14.6	C16_S6_14.6-16.6	C16_S7_16.6-18.6	C16_S9_18.6-20.6	C16_S10_20.6-21.8	C16_S11_21.8-22.6	C17_S2_4.6-6.6	C17_S9_4.9-22.6	C17_S3_6.6-8.6	C17_S4_8.6-10.6	C17_S5_10.6-12.6	C17_S6_12.6-14.6	C17_S7_14.6-18.6	C17_S8_18.6-20.6	C17_S10_22.6-24.6	C17_S11_24.6-26.6	C17A_S1_4.9-8.7
Sample Date			12/21/2010	12/21/2010	06/30/2010	06/30/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	01/30/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138733-28 138733-37 138733-46 138975-5	138733-29 138733-38 138733-47 138975-9	134417-18 134417-18RA1	134417-19	134447-32 134447-38 134447-7 134642-1	134447-3	134447-4	134447-5	134447-6	134447-8	134447-9	134447-10	134447-12	134447-19 134447-34 134447-40 134642-3 134642-5	134447-13	134447-14 134447-14RA1	134447-15	134447-16	134447-17	134447-18	134447-20	134447-21 134447-21RA1	15A1007-01
Sample Depth (bgs)			19 - 23.5 (ft)	23.5 - 28 (ft)	5 - 7 (ft)	7 - 9 (ft)	5.1 - 16.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 21.8 (ft)	21.8 - 22.6 (ft)	4.6 - 6.6 (ft)	4.9 - 22.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 18.6 (ft)	18.6 - 20.6 (ft)	22.6 - 24.6 (ft)	24.6 - 26.6 (ft)	4.9 - 8.7 (ft)
Sample Elevation (ft BCB)			2 to -2.5	-2.5 to -7	16 to 14	14 to 12	15.9 to 4.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -0.8	-0.8 to -1.6	16.2 to 14.2	15.9 to -1.8	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	8.2 to 6.2	6.2 to 2.2	2.2 to 0.2	-1.8 to -3.8	-3.8 to -5.8	15.8 to 12
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ASPHALT CAP/FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0041)
1,2,4-Trichlorobenzene	2	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0041)
1,2,4-Trimethylbenzene	1000	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
1,2-Dichlorobenzene	9	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
1,3,5-Trichlorobenzene	NA	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
1,3-Dichlorobenzene	3	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
1,4-Dichlorobenzene	0.7	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Acetone	6	NA	ND (0.36)	ND (0.33)	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.24)	-	-	-	-	-	-	-	-	ND (0.1)
Benzene	2	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Chlorobenzene	1	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Chloroform (Trichloromethane)	0.2	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0041)
Cymene (p-Isopropyltoluene)	100	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Ethylbenzene	40	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Isopropylbenzene	1000	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
m,p-Xylenes	NA	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0041)
Methyl Tert Butyl Ether	0.1	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0041)
Methylene chloride	0.1	NA	ND (0.09)	ND (0.082)	-	-	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.061)	-	-	-	-	-	-	-	-	ND (0.01)
Naphthalene	4	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.01)
n-Propylbenzene	100	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
o-Xylene	NA	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Styrene	3	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Tetrachloroethene	1	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Toluene	30	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
Trichloroethene	0.3	NA	ND (0.009)	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.002)
SUM of Volatile Organic Compounds	NA	NA	ND	ND	-	-	ND	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
1,2-Dichlorobenzene	9	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
1,3-Dichlorobenzene	3	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
1,4-Dichlorobenzene	0.7	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
2,4-Dimethylphenol	0.7	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
2,4-Dinitrotoluene	0.7	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
2,6-Dinitrotoluene	NA	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
2-Chloronaphthalene	1000	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
2-Methylnaphthalene	0.7	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.18)
2-Methylphenol	500	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
3&4-Methylphenol	NA	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Acenaphthene	4	NA	0.89	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.18)
Acenaphthylene	1	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.18)
Acetophenone	NA	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Aniline	NA	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Anthracene	1000	NA	1.7	ND (0.51)	-	-	0.56	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.43
Benzo(a)anthracene	7	NA	1.7	ND (0.51)	-	-	1.6	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	0.96
Benzo(a)pyrene	2	NA	1.3	ND (0.51)	-	-	1.5	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	0.87
Benzo(b)fluoranthene	7	NA	1.4	ND (0.51)	-	-	2.1	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	1.1
Benzo(g,h,i)perylene	1000	NA	0.52	ND (0.51)	-	-	0.38	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.42
Benzo(k)fluoranthene	70	NA	0.56	ND (0.51)	-	-	0.76	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.45
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.49)	ND (0.51)	-	-	1	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	1.3
Butyl benzylphthalate	100	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Carbazole	NA	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	1.5	ND (0.51)	-	-	1.8	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-	-	-	1
Dibenz(a,h)anthracene	0.7	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.18)
Dibenzofuran	100	NA	0.85	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Diethyl phthalate	10	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Di-n-butylphthalate	50	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Di-n-octyl phthalate	1000	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.72)
Fluoranthene	1000	NA	3.7	ND (0.51)	-	-	3.5	-	-	-	-	-	-	-	-	0.95	-	-	-	-	-	-	-	-	2.1
Fluorene	1000	NA	1.2	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.19
Indeno(1,2,3-cd)pyrene	7	NA	0.58	ND (0.51)	-	-	0.56	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.44
Isophorone	100	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Naphthalene	4	NA	0.72	ND (0.51)	-	-	0.48	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.18)
N-Nitrosodiphenylamine	100	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.49)	ND (0.51)	-	-	ND (0.75)	-	-	-	-	-	-	-	-	ND (0.76)	-	-	-	-	-	-	-	-	ND (0.36)
Phenanthrene	10	NA	4.1	ND (0.51)	-	-	2.6	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	1.9
Phenol	1	NA	ND (0.49)	ND (0.51)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)
Pyrene	1000	NA	3	ND (0.51)	-	-	2.6	-	-	-	-	-	-	-	-	0.76	-	-	-	-	-	-	-	-	2.2
SUM of Semi-Volatile Organic Compounds	NA	NA	23.72	ND	-	-	19.44	-	-	-	-	-	-	-	-	5.21	-	-	-	-	-	-	-	-	13.36

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C15A	C15A	C16	C16	C16	C16	C16	C16	C16	C16	C16	C16	C17	C17	C17	C17	C17	C17	C17	C17	C17	C17	C17A
Sample Name			C15A_S4_19.0-23.5	C15A_S5_23.5-28.0	C16_S2_5-7	C16_S3_7-9	C16_S8_5.1-16.6	C16_S4_10.6-12.6	C16_S5_12.6-14.6	C16_S6_14.6-16.6	C16_S7_16.6-18.6	C16_S9_18.6-20.6	C16_S10_20.6-21.8	C16_S11_21.8-22.6	C17_S2_4.6-6.6	C17_S9_4.9-22.6	C17_S3_6.6-8.6	C17_S4_8.6-10.6	C17_S5_10.6-12.6	C17_S6_12.6-14.6	C17_S7_14.6-18.6	C17_S8_18.6-20.6	C17_S10_22.6-24.6	C17_S11_24.6-26.6	C17A_S1_4.9-8.7
Sample Date			12/21/2010	12/21/2010	06/30/2010	06/30/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	01/30/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138733-28 138733-37 138733-46 138975-5	138733-29 138733-38 138733-47 138975-9	134417-18 134417-18RA1	134417-19	134447-32 134447-38 134447-7 134642-1	134447-3	134447-4	134447-5	134447-6	134447-8	134447-9	134447-10	134447-12	134447-19 134447-34 134447-40 134642-3 134642-5	134447-13	134447-14 134447-14RA1	134447-15	134447-16	134447-17	134447-18	134447-20	134447-21 134447-21RA1	15A1007-01
Sample Depth (bgs)			19 - 23.5 (ft)	23.5 - 28 (ft)	5 - 7 (ft)	7 - 9 (ft)	5.1 - 16.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 21.8 (ft)	21.8 - 22.6 (ft)	4.6 - 6.6 (ft)	4.9 - 22.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 18.6 (ft)	18.6 - 20.6 (ft)	22.6 - 24.6 (ft)	24.6 - 26.6 (ft)	4.9 - 8.7 (ft)
Sample Elevation (ft BCB)			2 to -2.5	-2.5 to -7	16 to 14	14 to 12	15.9 to 4.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -0.8	-0.8 to -1.6	16.2 to 14.2	15.9 to -1.8	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	8.2 to 6.2	6.2 to 2.2	2.2 to 0.2	-1.8 to -3.8	-3.8 to -5.8	15.8 to 12
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ASPHALT CAP/FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	270	ND (32)	-	-	110	-	-	-	-	-	-	-	-	87	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	300	ND (32)	-	-	130	-	-	-	-	-	-	-	-	98	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	88	35	-	-	110	-	-	-	-	-	-	-	-	90	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (29)	ND (32)	-	-	ND (34)	-	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	3.3	5	-	-	7.1	-	-	-	-	-	-	-	-	8.4	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	7.9	ND (4.8)	-	-	5.2	-	-	-	-	-	-	-	-	ND (3.4)	-	-	-	-	-	-	-	-	5.5
Barium	1000	NA	100	51	-	-	130	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	76
Beryllium	90	NA	ND (0.46)	ND (0.48)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	1.2	1.6	-	-	4.1	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-	-	4.8
Chromium	100	NA	28	41	-	-	20	-	-	-	-	-	-	-	-	84	-	-	-	-	-	-	-	-	24
Chromium VI (Hexavalent)	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-
Lead	200	NA	**200**	12	-	-	**1500**	-	-	-	-	-	-	-	-	**1400**	-	-	-	-	-	-	-	-	**2700**
Mercury	20	NA	0.21	ND (0.026)	-	-	2.1	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	0.5
Nickel	600	NA	19	25	-	-	23	-	-	-	-	-	-	-	-	86	-	-	-	-	-	-	-	-	-
Selenium	400	NA	ND (7.7)	ND (7.9)	-	-	ND (8)	-	-	-	-	-	-	-	-	ND (10)	-	-	-	-	-	-	-	-	ND (5.3)
Silver	100	NA	ND (1.5)	ND (1.6)	-	-	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (0.53)
Thallium	8	NA	ND (7.7)	ND (7.9)	-	-	ND (5.8)	-	-	-	-	-	-	-	-	ND (5.7)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	42	60	-	-	31	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	120	63	-	-	540	-	-	-	-	-	-	-	-	**1100**	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.6	-	-	-	8.7	-	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	-	-	**ND (4.6)**	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	**ND (84)**	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
Aroclor-1221 (PCB-1221)	1	NA	-	-	**ND (4.6)**	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	**ND (84)**	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
Aroclor-1232 (PCB-1232)	1	NA	-	-	**ND (4.6)**	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	**ND (84)**	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
Aroclor-1242 (PCB-1242)	1	NA	-	-	**ND (4.6)**	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	**ND (84)**	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
Aroclor-1248 (PCB-1248)	1	NA	-	-	**ND (4.6)**	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	**ND (84)**	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
Aroclor-1254 (PCB-1254)	1	NA	-	-	**76**	0.37	-	0.24	0.15	ND (0.06)	ND (0.05)	ND (0.061)	0.1	ND (0.062)	**120**	-	**10**	0.87	ND (0.05)	0.085	0.38	0.073	ND (0.056)	**1.9**	-
Aroclor-1260 (PCB-1260)	1	NA	-	-	**46**	0.24	-	0.14	0.065	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	**91**	-	**6.5**	0.55	ND (0.05)	ND (0.052)	0.29	0.049	ND (0.056)	**1.4**	-
Aroclor-1262 (PCB-1262)	NA	NA	-	-	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (84)	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
Aroclor-1268 (PCB-1268)	NA	NA	-	-	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (84)	-	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-
SUM of PCBs	1	NA	-	-	**122**	0.61	-	0.38	0.215	ND	ND	ND	0.1	ND	**211**	-	**16.5**	**1.42**	ND	0.085	0.67	0.122	ND	**3.3**	-
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.7
Ignitability (Deg F)	NA	NA	165 >	165 >	-	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (3.9)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (20)
Oxidation reduction potential (mV)	NA	NA	-	450	-	-	-	-	-	-	-	-	-	-	-	410	-	-	-	-	-	-	-	-	100
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI
pH Corrosivity (pH units)	NA	NA	6.9	6.8	-	-	6.9	-	-	-	-	-	-	-	-	6.6	-	-	-	-	-	-	-	-	8.5
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.9)	ND (2.4)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.9)	ND (2.4)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	2.4	ND (2.4)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.9)	ND (2.4)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	2.5	ND (2.4)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C18	C18	C18	C18	C18	C18	C18	C18	C18	C18	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C20	C20	C20	C20	C20
Sample Name			C18_S2_5-7	C18_S7_5-19	C18_S3_7-9	C18_S4_9-11	C18_S5_11-13	C18_S6_13-15	C18_S8_19-21	C18_S9_21-23	C18_S10_23.0-23.2	C18_S11_23.2-25	C19_S2_5-7	C19_S9_5.1-17	C19_S3_7-9	C19_S4_9-11	C19_S5_11-13	C19_S6_13-15	C19_S7_15-17	C19_S8_17-19	C19_S10_19-21	C19_S11_21-23	C19_S12_23-23.5	C19_S13_23.5-25	C20_S2_6.1-6.6	C20_S3_6.6-8.6	C20_S4_8.6-10.6	C20_S9_6.1-18.6
Sample Date			07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/12/2010	07/12/2010	07/12/2010	07/13/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134718-9	134718-26 134718-30 134718-34 134936-2	134718-10	134718-11	134718-12	134718-13	134834-11	134834-12	134834-13	134834-14	134478-8	134478-21 134478-24 134478-27 134716-3 134716-4	134478-9 134478-9RA1	134478-10	134478-11	134478-12	134478-13	134478-14	134478-15	134478-16	134478-17	134478-18	134654-28	134654-29	134654-30	134718-25 134718-28 134718-32 134936-1 134936-4
Sample Depth (bgs)			5 - 7 (ft)	5 - 19 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.2 (ft)	23.2 - 25 (ft)	5 - 7 (ft)	5.1 - 17 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.5 (ft)	23.5 - 25 (ft)	6.1 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	6.1 - 18.6 (ft)
Sample Elevation (ft BCB)			16 to 14	16 to 2	14 to 12	12 to 10	10 to 8	8 to 6	2 to 0	0 to -2	-2 to -2.2	-2.2 to -4	16 to 14	15.9 to 4	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.5	-2.5 to -4	14.5 to 14	14 to 12	12 to 10	14.5 to 2
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,2,4-Trichlorobenzene	2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,2-Dichlorobenzene	9	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,3,5-Trimethylbenzene	10	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,3-Dichlorobenzene	3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Acetone	6	NA	-	ND (0.25)	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.31)
Benzene	2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Chlorobenzene	1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Ethylbenzene	40	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Isopropylbenzene	1000	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
m,p-Xylenes	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Methylene chloride	0.1	NA	-	ND (0.064)	-	-	-	-	-	-	-	-	-	ND (0.055)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.077)
Naphthalene	4	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
n-Propylbenzene	100	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
o-Xylene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Styrene	3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Tetrachloroethene	1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Toluene	30	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Trichloroethene	0.3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
1,2-Dichlorobenzene	9	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
1,3-Dichlorobenzene	3	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
2,4-Dimethylphenol	0.7	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
2,4-Dinitrotoluene	0.7	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
2,6-Dinitrotoluene	NA	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
2-Chloronaphthalene	1000	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
2-Methylnaphthalene	0.7	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
2-Methylphenol	500	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
3&4-Methylphenol	NA	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.64
Acenaphthene	4	NA	-	0.41	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Acenaphthylene	1	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Acetophenone	NA	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Aniline	NA	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Anthracene	1000	NA	-	0.91	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Benzo(a)anthracene	7	NA	-	2	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2
Benzo(a)pyrene	2	NA	-	1.7	-	-	-	-	-	-	-	-	-	**2.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	**2.3**
Benzo(b)fluoranthene	7	NA	-	2.3	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5
Benzo(g,h,i)perylene	1000	NA	-	0.72	-	-	-	-	-	-	-	-	-	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94
Benzo(k)fluoranthene	70	NA	-	0.85	-	-	-	-	-	-	-	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
bis(2-Ethylhexyl)phthalate	90	NA	-	0.84	-	-	-	-	-	-	-	-	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	0.64
Butyl benzylphthalate	100	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Carbazole	NA	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Chrysene	70	NA	-	2	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Dibenzofuran	100	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Diethyl phthalate	10	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Di-n-butylphthalate	50	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Di-n-octyl phthalate	1000	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Fluoranthene	1000	NA	-	4.1	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9
Fluorene	1000	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Indeno(1,2,3-cd)pyrene	7	NA	-	0.82	-	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Isophorone	100	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Naphthalene	4	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
N-Nitrosodiphenylamine	100	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Pentachlorophenol	3	NA	-	ND (0.76)	-	-	-	-	-	-	-	-	-	ND (0.76)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.92)
Phenanthrene	10	NA	-	3.8	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2
Phenol	1	NA	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.46)
Pyrene	1000	NA	-	4	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9
SUM of Semi-Volatile Organic Compounds	NA	NA	-	24.45	-	-	-	-	-	-	-	-	-	26.96	-	-	-	-	-	-	-	-	-	-	-	-	-	26.72

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C18	C18	C18	C18	C18	C18	C18	C18	C18	C18	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C20	C20	C20	C20	C20
Sample Name			C18_S2_5-7	C18_S7_5-19	C18_S3_7-9	C18_S4_9-11	C18_S5_11-13	C18_S6_13-15	C18_S8_19-21	C18_S9_21-23	C18_S10_23.0-23.2	C18_S11_23.2-25	C19_S2_5-7	C19_S9_5.1-17	C19_S3_7-9	C19_S4_9-11	C19_S5_11-13	C19_S6_13-15	C19_S7_15-17	C19_S8_17-19	C19_S10_19-21	C19_S11_21-23	C19_S12_23-23.5	C19_S13_23.5-25	C20_S2_6.1-6.6	C20_S3_6.6-8.6	C20_S4_8.6-10.6	C20_S9_6.1-18.6
Sample Date			07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/12/2010	07/12/2010	07/12/2010	07/13/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134718-9	134718-26 134718-30 134718-34 134936-2	134718-10	134718-11	134718-12	134718-13	134834-11	134834-12	134834-13	134834-14	134478-8	134478-21 134478-24 134478-27 134716-3 134716-4	134478-9 134478-9RA1	134478-10	134478-11	134478-12	134478-13	134478-14	134478-15	134478-16	134478-17	134478-18	134654-28	134654-29	134654-30	134718-25 134718-28 134718-32 134936-1 134936-4
Sample Depth (bgs)			5 - 7 (ft)	5 - 19 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.2 (ft)	23.2 - 25 (ft)	5 - 7 (ft)	5.1 - 17 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.5 (ft)	-2.5 to -4	6.1 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	6.1 - 18.6 (ft)
Sample Elevation (ft BCB)			16 to 14	16 to 2	14 to 12	12 to 10	10 to 8	8 to 6	2 to 0	0 to -2	-2 to -2.2	-2.2 to -4	16 to 14	15.9 to 4	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.5	-2.5 to -4	14.5 to 14	14 to 12	12 to 10	14.5 to 2
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	160	-	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	170	-	-	-	-	-	-	-	-	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	260	-	-	-	-	-	-	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	67	-	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	13	-	-	-	-	-	-	-	-	-	**25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Arsenic	20	NA	-	ND (3.5)	-	-	-	-	-	-	-	-	-	ND (2.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4.1)
Barium	1000	NA	-	200	-	-	-	-	-	-	-	-	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280
Beryllium	90	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.29)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)
Cadmium	70	NA	-	5.8	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Chromium	100	NA	-	29	-	-	-	-	-	-	-	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	200	NA	-	**2100**	-	-	-	-	-	-	-	-	-	**2600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3100**
Mercury	20	NA	-	0.15	-	-	-	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.068
Nickel	600	NA	-	44	-	-	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86
Selenium	400	NA	-	ND (6.5)	-	-	-	-	-	-	-	-	-	ND (4.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (9.5)
Silver	100	NA	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (0.96)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)
Thallium	8	NA	-	**19**	-	-	-	-	-	-	-	-	-	**9.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**27**
Vanadium	400	NA	-	49	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
Zinc	1000	NA	-	**1000**	-	-	-	-	-	-	-	-	-	**1400**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1200**
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	0.9	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	**ND (42)**	-	**ND (4.5)**	ND (0.052)	**ND (2.5)**	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**ND (46)**	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**ND (4.2)**	**ND (25)**	ND (0.049)	-
Aroclor-1221 (PCB-1221)	1	NA	**ND (42)**	-	**ND (4.5)**	ND (0.052)	**ND (2.5)**	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**ND (46)**	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**ND (4.2)**	**ND (25)**	ND (0.049)	-
Aroclor-1232 (PCB-1232)	1	NA	**ND (42)**	-	**ND (4.5)**	ND (0.052)	**ND (2.5)**	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**ND (46)**	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**ND (4.2)**	**ND (25)**	ND (0.049)	-
Aroclor-1242 (PCB-1242)	1	NA	**ND (42)**	-	**ND (4.5)**	ND (0.052)	**ND (2.5)**	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**ND (46)**	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**ND (4.2)**	**ND (25)**	ND (0.049)	-
Aroclor-1248 (PCB-1248)	1	NA	**ND (42)**	-	**ND (4.5)**	ND (0.052)	**ND (2.5)**	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**ND (46)**	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**ND (4.2)**	**ND (25)**	ND (0.049)	-
Aroclor-1254 (PCB-1254)	1	NA	**540**	-	**42**	0.26	**17**	0.17	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**270**	-	0.8	0.29	0.2	0.13	0.099	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**21**	**190**	0.11	-
Aroclor-1260 (PCB-1260)	1	NA	**ND (42)**	-	**25**	0.19	**9.5**	0.091	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	**190**	-	0.44	0.17	0.11	0.1	0.074	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	**16**	**110**	0.081	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (42)	-	ND (4.5)	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (4.2)	ND (25)	ND (0.049)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (42)	-	ND (4.5)	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (4.2)	ND (25)	ND (0.049)	-
SUM of PCBs	1	NA	**540**	-	**67**	0.45	**26.5**	0.261	ND	ND	ND	ND	**460**	-	**1.24**	0.46	0.31	0.23	0.173	ND	ND	ND	ND	ND	**37**	**300**	0.191	-
Other																													
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	9.6	-	-	-	-	-	-	-	-	-	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.1)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	2.2	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C20	C20	C20	C20	C20	C20	C20	C20	C21	C21	C21	C21	C21	C21A	C21A	C21A	C22	C22	C22	C22	C23	C23	C23	C23
Sample Name			C20_S5_10.6-12.6	C20_S6_12.6-14.6	C20_S7_14.6-16.6	C20_S8_16.6-18.6	C20_S10_18.5-20.6	C20_S11_20.6-22.6	C20_S12_22.6-24	C20_S13_24-24.6	C21_S1_5.0-8.4	Z21_S1_5.0-8.4	C21_S2_8.4-10.4	C21_S3_10.4-12.4	C21_S4_12.4-14.4	C21A_S1_4.4-8.2	C21A_S2_4.4-6.2	C21A_S3_6.2-8.2	C22_S1_4.4-8.2	C22_S2_4.4-6.2	C22_S3_6.2-8.2	C22_S4_8.2-10.2	C23_S1_2.9-3.9	C23_S2_3.9-5.9	C23_S3_5.9-7.9	C23_S4_7.9-9.9
Sample Date			07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134718-1	134718-2 134718-2RA1	134718-3	134718-4	134718-5	134718-6	134718-7	134718-8	138733-12	138733-16	138733-13 138733-13RA1	138733-14 138733-14RA1	138733-15	15A1002-01	15A1002-02	15B0386-01	15A1001-01 15B0194-01RE1	15A1001-02	15B0387-01	15B0387-02	15K1347-08	15K1347-09	15K1347-10	15K1347-11
Sample Depth (bgs)			10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24 (ft)	24 - 24.6 (ft)	5 - 8.4 (ft)	5 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	2.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	7.9 - 9.9 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.4	-3.4 to -4	15.4 to 12	15.4 to 12	12 to 10	10 to 8	8 to 6	15.8 to 12	15.8 to 14	14 to 12	15.8 to 12	15.8 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.073)	-	-	ND (0.12)	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0073)	-	-	ND (0.012)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0073)	-	-	ND (0.012)	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.73)**	-	-	**ND (0.84)**	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.73)**	-	-	**ND (0.84)**	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.73)**	-	-	**ND (0.84)**	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	0.96	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2.6	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	-	**2.5**	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	3.6	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49	-	-	0.9	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	-	-	1.5	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	2.8	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	ND (1.7)	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	4.9	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	1.1	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	3.5	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-	4.6	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	11.67	-	-	28.96	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			C20	C20	C20	C20	C20	C20	C20	C20	C21	C21	C21	C21	C21	C21A	C21A	C21A	C22	C22	C22	C22	C23	C23	C23	C23
Sample Name			C20_S5_10.6-12.6	C20_S6_12.6-14.6	C20_S7_14.6-16.6	C20_S8_16.6-18.6	C20_S10_18.5-20.6	C20_S11_20.6-22.6	C20_S12_22.6-24	C20_S13_24-24.6	C21_S1_5.0-8.4	Z21_S1_5.0-8.4	C21_S2_8.4-10.4	C21_S3_10.4-12.4	C21_S4_12.4-14.4	C21A_S1_4.4-8.2	C21A_S2_4.4-6.2	C21A_S3_6.2-8.2	C22_S1_4.4-8.2	C22_S2_4.4-6.2	C22_S3_6.2-8.2	C22_S4_8.2-10.2	C23_S1_2.9-3.9	C23_S2_3.9-5.9	C23_S3_5.9-7.9	C23_S4_7.9-9.9
Sample Date			07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134718-1	134718-2 134718-2RA1	134718-3	134718-4	134718-5	134718-6	134718-7	134718-8	138733-12	138733-16	138733-13 138733-13RA1	138733-14 138733-14RA1	138733-15	15A1002-01	15A1002-02	15B0386-01	15A1001-01 15B0194-01RE1	15A1001-02	15B0387-01	15B0387-02	15K1347-08	15K1347-09	15K1347-10	15K1347-11
Sample Depth (bgs)			10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24 (ft)	24 - 24.6 (ft)	5 - 8.4 (ft)	5 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	2.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	7.9 - 9.9 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.4	-3.4 to -4	15.4 to 12	15.4 to 12	12 to 10	10 to 8	8 to 6	15.8 to 12	15.8 to 14	14 to 12	15.8 to 12	15.8 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1100	-	-	1500	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.6)	-	-	13	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	360	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	-	-	6.1	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	39	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-	-	**3200**	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-	-	2.9	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.1)	-	-	ND (5.7)	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.51)	-	-	ND (0.57)	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	**ND (26)**	**ND (24)**	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	**ND (26)**	**ND (24)**	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	**ND (26)**	**ND (24)**	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	**ND (26)**	**ND (24)**	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	**ND (26)**	**ND (24)**	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	0.62	ND (0.12)	ND (0.16)	0.64	0.32	ND (0.1)	ND (0.11)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.055)	0.77	ND (0.061)	ND (0.064)	ND (0.053)	0.076	ND (0.055)	ND (0.072)	**150**	**120**	0.8	**1.3**	0.21	-	ND (0.11)	ND (0.23)	-	**1.2**	0.16	ND (0.16)	0.41	0.21	ND (0.1)	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.055)	0.34	ND (0.061)	ND (0.064)	ND (0.053)	0.057	ND (0.055)	ND (0.072)	**97**	**80**	0.45	0.94	0.2	-	ND (0.11)	ND (0.23)	-	**1.5**	ND (0.12)	ND (0.16)	0.19	ND (0.11)	ND (0.1)	ND (0.11)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.055)	ND (0.052)	ND (0.061)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)
SUM of PCBs	1	NA	ND	**1.11**	ND	ND	ND	0.133	ND	ND	**247**	**200**	**1.25**	**2.24**	0.41	-	ND	ND	-	**3.32**	0.16	ND	**1.24**	0.53	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	92.9	92.8	88.6	80.8	89	81.9	60.7	89.4	89.4	95.6	89.2
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (4)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	110	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	7.5	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	D4	D4	D4	D4	D4	D5	D5	D5	D5	D6	D6	D6	D6	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7
Sample Name			D4_S1_0.8-1.8	D4_S2_1.8-3.8	Z4_S2_1.8-3.8	D4_S3_3.8-5.8	D4_S4_5.8-7.8	D5_S1_1.5-2.5	D5_S2_2.5-4.5	D5_S3_4.5-6.5	D5_S4_6.5-8.5	D6_S1_1.7-2.7	D6_S2_2.7-4.7	D6_S3_4.7-6.7	D6_S4_6.7-8.7	D7_S8_2.1-12.1	D7_S2_2.5-4.2	D7_S3_4.5-6.5	D7_S4_6.5-8.5	D7_S5_8.5-10.5	D7_S6_10.5-12.5	D7_S7_12.5-14.5	D7_S9_14.5-16.5	D7_S10_16.5-18.5	D7_S11_18.5-20.5	D7_S12_20.5-22.5	D7_S13_22.5-24.0	D7_S14_24.0-24.5
Sample Date			11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010
Lab Sample ID			15K0898-07	15K0898-08	15K0898-13	15K0898-09	15K0898-10	15L0041-01	15L0041-02	15L0041-03	15L0041-04	15K1344-01	15K1344-02	15K1344-03	15K1344-04	133736-17 133736-56 133736-66 134154-3	133736-11	133736-12	133736-13	133736-14	133736-15	133736-16	133736-18	133736-19	133736-20	133736-21	133736-22	133736-23
Sample Depth (bgs)			0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	2.1 - 12.1 (ft)	2.5 - 4.2 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24 (ft)	24 - 24.5 (ft)
Sample Elevation (ft BCB)			17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	16.4 to 6.4	16 to 14.3	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.5	-5.5 to -6
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	MARINE DEPOSITS
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.051)	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	10.14	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D4	D4	D4	D4	D4	D5	D5	D5	D5	D6	D6	D6	D6	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7
Sample Name			D4_S1_0.8-1.8	D4_S2_1.8-3.8	Z4_S2_1.8-3.8	D4_S3_3.8-5.8	D4_S4_5.8-7.8	D5_S1_1.5-2.5	D5_S2_2.5-4.5	D5_S3_4.5-6.5	D5_S4_6.5-8.5	D6_S1_1.7-2.7	D6_S2_2.7-4.7	D6_S3_4.7-6.7	D6_S4_6.7-8.7	D7_S8_2.1-12.1	D7_S2_2.5-4.2	D7_S3_4.5-6.5	D7_S4_6.5-8.5	D7_S5_8.5-10.5	D7_S6_10.5-12.5	D7_S7_12.5-14.5	D7_S9_14.5-16.5	D7_S10_16.5-18.5	D7_S11_18.5-20.5	D7_S12_20.5-22.5	D7_S13_22.5-24.0	D7_S14_24.0-24.5
Sample Date			11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			15K0898-07	15K0898-08	15K0898-13	15K0898-09	15K0898-10	15L0041-01	15L0041-02	15L0041-03	15L0041-04	15K1344-01	15K1344-02	15K1344-03	15K1344-04	133736-17 133736-56 133736-66 134154-3	133736-11	133736-12	133736-13	133736-14	133736-15	133736-16	133736-18	133736-19	133736-20	133736-21	133736-22	133736-23
Sample Depth (bgs)			0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	2.1 - 12.1 (ft)	2.5 - 4.2 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24 (ft)	24 - 24.5 (ft)
Sample Elevation (ft BCB)			17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	16.4 to 6.4	16 to 14.3	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.5	-5.5 to -6
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	MARINE DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	91	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (30)	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.31)	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	**240**	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.12)	**ND (5.2)**	**ND (5.3)**	ND (0.45)	ND (0.1)	ND (0.45)	**ND (5.8)**	ND (0.11)	ND (0.11)	**ND (2.2)**	**ND (2.1)**	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.12)	**ND (5.2)**	**ND (5.3)**	ND (0.45)	ND (0.1)	ND (0.45)	**ND (5.8)**	ND (0.11)	ND (0.11)	**ND (2.2)**	**ND (2.1)**	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.12)	**ND (5.2)**	**ND (5.3)**	ND (0.45)	ND (0.1)	ND (0.45)	**ND (5.8)**	ND (0.11)	ND (0.11)	**ND (2.2)**	**ND (2.1)**	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.12)	**ND (5.2)**	**ND (5.3)**	ND (0.45)	ND (0.1)	ND (0.45)	**ND (5.8)**	ND (0.11)	ND (0.11)	**ND (2.2)**	**ND (2.1)**	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	0.27	**ND (5.2)**	**ND (5.3)**	ND (0.45)	ND (0.1)	**2.5**	**20**	ND (0.11)	ND (0.11)	**12**	**9**	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	0.44	**11**	**26**	**2.2**	**1.2**	0.78	**ND (5.8)**	ND (0.11)	ND (0.11)	**4.7**	**12**	ND (0.12)	ND (0.12)	-	**2.8**	**5.8**	0.15	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	0.38	**ND (5.2)**	**7.8**	0.82	0.22	ND (0.45)	**34**	ND (0.11)	ND (0.11)	**2.7**	**7.2**	ND (0.12)	ND (0.12)	-	**1.7**	**3.5**	0.13	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	**1.09**	**11**	**33.8**	**3.02**	**1.42**	**3.28**	**54**	ND	ND	**19.4**	**28.2**	ND	ND	-	**4.5**	**9.3**	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	84.2	96	92.7	89.7	97.3	87.5	86	92.3	92.2	92.3	96	85.1	85.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D9	D9	D9	D9	D9	D9
Sample Name			D8_S3_3.4-5.4	D8_S4_5.4-7.4	D8_S5_7.4-9.4	D8_S8_3.1-13.1	D8_S6_9.5-11.5	D8_S7_11.5-13.5	D8_S9_13.5-15.5	D8_S10_15.5-17.5	D8_S11_17.5-19.5	D8_S12_19.5-21.5	D8_S13_21.5-23.5	D8_S14_23.5-25.5	D8A_S2_4-5	D8A_S3_4-8	D8A_S3_5-7	D8A_S4_7-9	D8A_S6_8-13	D8A_S5_9-11	D8A_S6_11-13	D8A_S7_13-15	D8A_S8_13-19	D9_S2_3-8	D9_S3_5-7	D9_S4_7-8	D9_S5_8-13	D9_S6_9-11
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			133708-17	133736-3 133736-3RA1 133736-54 133736-64										138629-22 138629-30 138629-37			138629-23 138629-31 138629-38				138629-24 138629-32 138629-32RA1 138629-39	138629-19 138629-26 138629-33			138629-20 138629-20RA1 138629-27 138629-34	138629-9
Lab Sample ID			133708-15	133708-16	133708-17RA1	134154-1	133736-1	133736-2	133736-4	133736-5	133736-6	133736-7	133736-8	133736-9	138629-13	138772-3	138629-14	138629-15	138772-6	138629-16	138629-17	138629-18	138772-8	138772-1	138629-7	138629-8	138772-2	138629-9RA1
Sample Depth (bgs)			3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	3.1 - 13.1 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	4 - 5 (ft)	4 - 8 (ft)	5 - 7 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 19 (ft)	3 - 8 (ft)	5 - 7 (ft)	7 - 8 (ft)	8 - 13 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)			15.8 to 13.8	13.8 to 11.8	11.8 to 9.8	16.1 to 6.1	9.7 to 7.7	7.7 to 5.7	5.7 to 3.7	3.7 to 1.7	1.7 to -0.3	-0.3 to -2.3	-2.3 to -4.3	-4.3 to -6.3	15 to 14	15 to 11	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6	6 to 4	6 to 0	17.9 to 12.9	15.9 to 13.9	13.9 to 12.9	12.9 to 7.9	11.9 to 9.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																															
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	ND (0.28)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	24	ND (0.25)	-	-	ND (0.28)	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	ND (0.28)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	**12**	ND (0.25)	-	-	ND (0.28)	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	-	-
Acetone	6	NA	-	-	-	ND (0.23)	-	-	-	-	-	-	-	-	-	ND (0.23)	-	-	ND (3)	-	-	-	ND (4.5)	ND (2.5)	-	-	ND (2.8)	-
Benzene	2	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	**8.2**	ND (0.25)	-	-	ND (0.28)	-
Chlorobenzene	1	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	ND (0.28)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	**ND (0.3)**	-	-	-	**ND (0.45)**	**ND (0.25)**	-	-	**ND (0.28)**	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	ND (0.28)	-
Ethylbenzene	40	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	9.7	ND (0.25)	-	-	ND (0.28)	-
Isopropylbenzene	1000	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	1.2	ND (0.25)	-	-	ND (0.28)	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	34	ND (0.25)	-	-	ND (0.28)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	**ND (0.3)**	-	-	-	**ND (0.45)**	**ND (0.25)**	-	-	**ND (0.28)**	-
Methylene chloride	0.1	NA	-	-	-	ND (0.057)	-	-	-	-	-	-	-	-	-	ND (0.057)	-	-	**ND (1.2)**	-	-	-	**ND (1.8)**	**ND (1)**	-	-	**ND (1.1)**	-
Naphthalene	4	NA	-	-	-	0.074	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	**9.3**	-	-	-	**1300**	ND (0.25)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	0.5	ND (0.25)	-	-	ND (0.28)	-
o-Xylene	NA	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	13	ND (0.25)	-	-	ND (0.28)	-
Styrene	3	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	**7.3**	ND (0.25)	-	-	ND (0.28)	-
Tetrachloroethene	1	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	ND (0.45)	ND (0.25)	-	-	ND (0.28)	-
Toluene	30	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.3)	-	-	-	23	ND (0.25)	-	-	ND (0.28)	-
Trichloroethene	0.3	NA	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	**ND (0.3)**	-	-	-	**ND (0.45)**	ND (0.25)	-	-	ND (0.28)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	0.074	-	-	-	-	-	-	-	-	-	ND	-	-	9.3	-	-	-	1433	ND	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																															
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
2-Methylnaphthalene	0.7	NA	-	-	-	**2**	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**20**	-	-	-	**360**	ND (0.37)	-	-	**1.9**	-
2-Methylphenol	500	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
3&4-Methylphenol	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
Acenaphthene	4	NA	-	-	-	**4.7**	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**52**	-	-	-	**ND (110)**	ND (0.37)	-	-	3.7	-
Acenaphthylene	1	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**290**	ND (0.37)	-	-	ND (0.39)	-
Acetophenone	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
Aniline	NA	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
Anthracene	1000	NA	-	-	-	7	-	-	-	-	-	-	-	-	-	0.42	-	-	100	-	-	-	310	ND (0.37)	-	-	6.6	-
Benzo(a)anthracene	7	NA	-	-	-	**8**	-	-	-	-	-	-	-	-	-	1.2	-	-	**140**	-	-	-	**200**	0.48	-	-	**9.6**	-
Benzo(a)pyrene	2	NA	-	-	-	**6.1**	-	-	-	-	-	-	-	-	-	1.3	-	-	**120**	-	-	-	**170**	0.41	-	-	**8.4**	-
Benzo(b)fluoranthene	7	NA	-	-	-	6.8	-	-	-	-	-	-	-	-	-	1.6	-	-	**140**	-	-	-	**180**	0.58	-	-	**10**	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	1.5	-	-	-	-	-	-	-	-	-	0.65	-	-	38	-	-	-	ND (110)	ND (0.37)	-	-	1.4	-
Benzo(k)fluoranthene	70	NA	-	-	-	2.5	-	-	-	-	-	-	-	-	-	0.55	-	-	50	-	-	-	**ND (110)**	ND (0.37)	-	-	3.5	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	0.58	-	-	-	-	-	-	-	-	-	1.3	-	-	ND (19)	-	-	-	**ND (110)**	0.43	-	-	ND (0.39)	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Carbazole	NA	NA	-	-	-	3	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	49	-	-	-	ND (110)	ND (0.37)	-	-	3.1	-
Chrysene	70	NA	-	-	-	7.6	-	-	-	-	-	-	-	-	-	1.3	-	-	**130**	-	-	-	**200**	0.44	-	-	9.3	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	0.66	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	0.66	-
Dibenzofuran	100	NA	-	-	-	3.6	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	47	-	-	-	**220**	ND (0.37)	-	-	3.5	-
Diethyl phthalate	10	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	ND (110)	ND (0.37)	-	-	ND (0.39)	-
Fluoranthene	1000	NA	-	-	-	23	-	-	-	-	-	-	-	-	-	2.4	-	-	290	-	-	-	530	1.2	-	-	20	-
Fluorene	1000	NA	-	-	-	4.2	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	67	-	-	-	260	ND (0.37)	-	-	3.9	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	2.6	-	-	-	-	-	-	-	-	-	0.79	-	-	**48**	-	-	-	**ND (110)**	ND (0.37)	-	-	2.3	-
Isophorone	100	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Naphthalene	4	NA	-	-	-	**4**	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**35**	-	-	-	**1500**	ND (0.37)	-	-	**4**	-
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (19)	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Pentachlorophenol	3	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Phenanthrene	10	NA	-	-	-	**29**	-	-	-	-	-	-	-	-	-	1.9	-	-	**370**	-	-	-	**870**	0.83	-	-	**26**	-
Phenol	1	NA	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	**ND (19)**	-	-	-	**ND (110)**	ND (0.37)	-	-	ND (0.39)	-
Pyrene	1000	NA	-	-	-	19	-	-	-	-	-	-	-	-	-	2.3	-	-	250	-	-	-	480	1	-	-	20	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	135.84	-	-	-	-	-	-	-	-	-	15.71	-	-	1946	-	-	-	5570	5.37	-	-	137.86	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D9	D9	D9	D9	D9	D9
Sample Name			D8_S3_3.4-5.4	D8_S4_5.4-7.4	D8_S5_7.4-9.4	D8_S8_3.1-13.1	D8_S6_9.5-11.5	D8_S7_11.5-13.5	D8_S9_13.5-15.5	D8_S10_15.5-17.5	D8_S11_17.5-19.5	D8_S12_19.5-21.5	D8_S13_21.5-23.5	D8_S14_23.5-25.5	D8A_S2_4-5	D8A_S3_4-8	D8A_S3_5-7	D8A_S4_7-9	D8A_S6_8-13	D8A_S5_9-11	D8A_S6_11-13	D8A_S7_13-15	D8A_S8_13-19	D9_S2_3-8	D9_S3_5-7	D9_S4_7-8	D9_S5_8-13	D9_S6_9-11
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			133708-17	133736-3 133736-3RA1 133736-54 133736-64										138629-22 138629-30 138629-37			138629-23 138629-31 138629-38				138629-24 138629-32 138629-32RA1 138629-39	138629-19 138629-26 138629-33			138629-20 138629-20RA1 138629-27 138629-34	138629-9
Lab Sample ID			133708-15	133708-16	133708-17RA1	134154-1	133736-1	133736-2	133736-4	133736-5	133736-6	133736-7	133736-8	133736-9	138629-13	138772-3	138629-14	138629-15	138772-6	138629-16	138629-17	138629-18	138772-8	138772-1	138629-7	138629-8	138772-2	138629-9RA1
Sample Depth (bgs)			3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	3.1 - 13.1 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	4 - 5 (ft)	4 - 8 (ft)	5 - 7 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 19 (ft)	3 - 8 (ft)	5 - 7 (ft)	7 - 8 (ft)	8 - 13 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)			15.8 to 13.8	13.8 to 11.8	11.8 to 9.8	16.1 to 6.1	9.7 to 7.7	7.7 to 5.7	5.7 to 3.7	3.7 to 1.7	1.7 to -0.3	-0.3 to -2.3	-2.3 to -4.3	-4.3 to -6.3	15 to 14	15 to 11	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6	6 to 4	6 to 0	17.9 to 12.9	15.9 to 13.9	13.9 to 12.9	12.9 to 7.9	11.9 to 9.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																															
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																															
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	260	-	-	-	-	-	-	-	-	-	290	-	-	**2200**	-	-	-	**3400**	33	-	-	98	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	300	-	-	-	-	-	-	-	-	-	380	-	-	3300	-	-	-	5800	37	-	-	150	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	380	-	-	-	-	-	-	-	-	-	250	-	-	110	-	-	-	530	52	-	-	29	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	290	-	-	-	-	-	-	-	-	-	55	-	-	34	-	-	-	170	ND (23)	-	-	ND (24)	-
Inorganic Compounds (mg/kg)																															
Antimony	20	NA	-	-	-	18	-	-	-	-	-	-	-	-	-	**29**	-	-	6.9	-	-	-	ND (1.7)	3.5	-	-	2.7	-
Arsenic	20	NA	-	-	-	ND (3.4)	-	-	-	-	-	-	-	-	-	ND (3.5)	-	-	9.9	-	-	-	13	ND (3.5)	-	-	3.6	-
Barium	1000	NA	-	-	-	240	-	-	-	-	-	-	-	-	-	270	-	-	170	-	-	-	200	37	-	-	54	-
Beryllium	90	NA	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	ND (0.52)	ND (0.35)	-	-	ND (0.36)	-
Cadmium	70	NA	-	-	-	4.1	-	-	-	-	-	-	-	-	-	6.1	-	-	2.3	-	-	-	1.9	1.3	-	-	0.72	-
Chromium	100	NA	-	-	-	27	-	-	-	-	-	-	-	-	-	18	-	-	15	-	-	-	15	7.3	-	-	9.1	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	**1000**	-	-	-	-	-	-	-	-	-	**1500**	-	-	**730**	-	-	-	**25000**	110	-	-	140	-
Mercury	20	NA	-	-	-	1.3	-	-	-	-	-	-	-	-	-	1.5	-	-	8	-	-	-	5.8	0.12	-	-	0.52	-
Nickel	600	NA	-	-	-	28	-	-	-	-	-	-	-	-	-	28	-	-	16	-	-	-	10	8.7	-	-	13	-
Selenium	400	NA	-	-	-	6	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	ND (6.1)	-	-	-	ND (8.6)	ND (5.8)	-	-	ND (6)	-
Silver	100	NA	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.2)	-	-	-	ND (1.7)	ND (1.2)	-	-	ND (1.2)	-
Thallium	8	NA	-	-	-	ND (5.7)	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	ND (6.1)	-	-	-	**ND (8.6)**	ND (5.8)	-	-	ND (6)	-
Vanadium	400	NA	-	-	-	36	-	-	-	-	-	-	-	-	-	42	-	-	28	-	-	-	28	23	-	-	17	-
Zinc	1000	NA	-	-	-	980	-	-	-	-	-	-	-	-	-	**1200**	-	-	600	-	-	-	380	110	-	-	130	-
TCLP Inorganic Compounds (mg/L)																															
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	2.6	-	-	-	-	-	-	-	-	-	0.3	-	-	130	-	-	-	1.1	ND (0.3)	-	-	ND (0.3)	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	-	-
PCBs (mg/kg)																															
Aroclor-1016 (PCB-1016)	1	NA	**ND (18)**	ND (0.04)	ND (0.04)	**ND (1.2)**	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	-	ND (0.92)	**ND (2.3)**	-	ND (0.051)	ND (0.055)	ND (0.059)	-	-	**ND (1.1)**	ND (0.044)	-	ND (0.045)
Aroclor-1221 (PCB-1221)	1	NA	**ND (18)**	ND (0.04)	ND (0.04)	**ND (1.2)**	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	-	ND (0.92)	**ND (2.3)**	-	ND (0.051)	ND (0.055)	ND (0.059)	-	-	**ND (1.1)**	ND (0.044)	-	ND (0.045)
Aroclor-1232 (PCB-1232)	1	NA	**ND (18)**	ND (0.04)	ND (0.04)	**ND (1.2)**	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	-	ND (0.92)	**ND (2.3)**	-	ND (0.051)	ND (0.055)	ND (0.059)	-	-	**ND (1.1)**	ND (0.044)	-	ND (0.045)
Aroclor-1242 (PCB-1242)	1	NA	**ND (18)**	ND (0.04)	ND (0.04)	**ND (1.2)**	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	-	ND (0.92)	**ND (2.3)**	-	ND (0.051)	ND (0.055)	ND (0.059)	-	-	**ND (1.1)**	ND (0.044)	-	ND (0.045)
Aroclor-1248 (PCB-1248)	1	NA	**ND (18)**	ND (0.04)	ND (0.04)	**ND (1.2)**	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	-	ND (0.92)	**ND (2.3)**	-	ND (0.051)	0.21	ND (0.059)	-	-	**ND (1.1)**	ND (0.044)	-	**1**
Aroclor-1254 (PCB-1254)	1	NA	**190**	0.11	**3.9**	**11**	0.095	**3.4**	ND (0.04)	0.082	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**25**	-	**6.5**	**10**	-	0.38	ND (0.055)	ND (0.059)	-	-	**9.2**	0.45	-	ND (0.045)
Aroclor-1260 (PCB-1260)	1	NA	**110**	0.098	**2.1**	**5.8**	0.067	**2.1**	ND (0.04)	0.065	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**18**	-	**4.8**	**6.7**	-	0.22	0.18	ND (0.059)	-	-	**5.2**	0.26	-	0.29
Aroclor-1262 (PCB-1262)	NA	NA	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)	ND (0.059)	-	-	ND (1.1)	ND (0.044)	-	ND (0.045)
Aroclor-1268 (PCB-1268)	NA	NA	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)	ND (0.059)	-	-	ND (1.1)	ND (0.044)	-	ND (0.045)
SUM of PCBs	1	NA	**300**	0.208	**6**	**16.8**	0.162	**5.5**	ND	0.147	ND	ND	ND	ND	**43**	-	**11.3**	**16.7**	-	0.6	0.39	ND	-	-	**14.4**	0.71	-	**1.29**
Other																															
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-	165 >	165 >	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	ND (50)	ND (50)	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	ND (100)	ND (100)	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	7.4	-	-	-	-	-	-	-	-	-	6.9	-	-	7	-	-	-	7	7.2	-	-	7.1	-
VPH (mg/kg)																															
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	ND (88)	ND (1.1)	-	-	ND (1.2)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	ND (88)	ND (1.1)	-	-	ND (1.2)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	2.6	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	2.3	-	-	-	**210**	ND (1.1)	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	ND (88)	ND (1.1)	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	3.5	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	3.4	-	-	-	290	ND (1.1)	-	-	ND (1.2)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D9	D9	D9	D9	D9A	D10	D10	D10	D10	D11	D11	D11	D12	D12	D12	D12	D12	D12	D12	D13	D13	D13	D13	D13	D13	D13	D13
Sample Name			D9_S7_11-13	D9_S8_13-15	D9_S8_13-18	D9_S9_15-17	D9A_S1_7.0-8.9	D10_S1_4.8-9.1	D10_S2_5.1-7.1	D10_S3_7.1-9.1	D10_S4_9.1-11.1	D11_S1_7.1-9.1	D11_S2_7.1-9.1	D11_S3_9.1-11.1	D12_S3_7-9	D12_S4_7-10	D12_S5_9-11	D12_S6_10-15	D12_S7_11-13	D12_S8_15-18	D13_S2_5.3-15.2	D13_S3_5.3-6.5	D13_S4_7.2-8.2	D13_S5_11.2-13.2	D13_S6_13.2-15.2	D13_S7_15.2-17.2	D13_S8_17.2-19.2	D13_S12_19.2-21.2
Sample Date			12/15/2010	12/15/2010	12/15/2010	12/15/2010	02/27/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/20/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/07/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138629-10	138629-11	138629-21 138629-28 138629-35 138772-4	138629-12	15B0908-01 15B0908-01RE1 15C0231-01	15B0359-01 15B0555-01	15B0359-02	15B0758-01	15B0758-02	15B0830-01 15B0830-01RE1 15C0131-01	15C0179-01	15C0179-02	138690-23	138690-46 138690-57 138690-69 138879-6	138694-24	138690-37 138690-37RA1 138690-58 138690-70 138879-7	138690-25 138690-25RA1	138726-19 138726-25 138726-9 138880-1	133689-25 133689-53 133689-62 133883-3	133689-26	133689-27	133689-28	133689-29	133689-30	133689-31	133708-1
Sample Depth (bgs)			11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	15 - 17 (ft)	7 - 8.9 (ft)	4.8 - 9.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	7.1 - 9.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	7 - 9 (ft)	7 - 10 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	15 - 18 (ft)	5.3 - 15.2 (ft)	5.3 - 6.5 (ft)	7.2 - 8.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)
Sample Elevation (ft BCB)			9.9 to 7.9	7.9 to 5.9	7.9 to 2.9	5.9 to 3.9	13.9 to 12	16.3 to 12	16 to 14	14 to 12	12 to 10	14 to 12	14 to 12	12 to 10	14.1 to 12.1	14.1 to 11.1	12.1 to 10.1	11.1 to 6.1	10.1 to 8.1	6.1 to 3.1	15.9 to 6	15.9 to 14.7	14 to 13	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0033)	-	-	-	ND (0.0022)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0016)	-	-	-	ND (0.0022)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (2.5)	-	ND (0.052)	ND (0.081)	-	-	-	ND (0.056)	-	-	-	ND (0.2)	-	ND (3.1)	-	ND (0.46)	ND (0.26)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	**ND (0.25)**	-	ND (0.0021)	ND (0.0033)	-	-	-	ND (0.0022)	-	-	-	ND (0.005)	-	**ND (0.31)**	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0033)	-	-	-	ND (0.0022)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	**ND (0.25)**	-	ND (0.0021)	ND (0.0033)	-	-	-	ND (0.0022)	-	-	-	ND (0.005)	-	**ND (0.31)**	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	**ND (1)**	-	ND (0.0052)	ND (0.0081)	-	-	-	ND (0.0056)	-	-	-	ND (0.05)	-	**ND (1.2)**	-	ND (0.066)	ND (0.066)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.25)	-	0.0095	ND (0.0081)	-	-	-	ND (0.0056)	-	-	-	ND (0.005)	-	3.6	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.25)	-	ND (0.001)	ND (0.0016)	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	**ND (0.31)**	-	ND (0.012)	ND (0.007)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	-	0.0095	ND	-	-	-	ND	-	-	-	ND	-	3.6	-	ND	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	**ND (2.1)**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	**ND (2.1)**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	**ND (2.1)**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	**ND (2.1)**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.37)	-	ND (0.19)	ND (0.19)	-	-	-	0.42	-	-	-	ND (0.37)	-	**9.8**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	1.1	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	1.5	ND (0.38)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.37)	-	ND (0.19)	0.23	-	-	-	1.7	-	-	-	ND (0.37)	-	**23**	-	0.71	ND (0.38)	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.37)	-	ND (0.19)	ND (0.19)	-	-	-	ND (0.19)	-	-	-	ND (0.37)	-	**ND (2.1)**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	ND (0.37)	-	0.21	0.41	-	-	-	2.6	-	-	-	0.62	-	39	-	1.5	0.4	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	0.67	-	0.54	0.9	-	-	-	5	-	-	-	1.6	-	**41**	-	2.2	0.65	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	0.56	-	0.49	0.85	-	-	-	**4.5**	-	-	-	1.8	-	**34**	-	1.7	0.56	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	0.68	-	0.67	1	-	-	-	5.7	-	-	-	2.5	-	**47**	-	2	0.76	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.37)	-	0.4	0.55	-	-	-	2.8	-	-	-	0.71	-	7.1	-	0.91	ND (0.38)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	ND (0.37)	-	0.24	0.38	-	-	-	2.4	-	-	-	0.74	-	15	-	0.67	ND (0.38)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.37)	-	ND (0.39)	0.95	-	-	-	0.74	-	-	-	0.45	-	ND (2.1)	-	ND (0.59)	1.4	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (10)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	16	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	0.67	-	0.61	0.93	-	-	-	5.1	-	-	-	1.4	-	37	-	1.9	0.63	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.37)	-	ND (0.19)	ND (0.19)	-	-	-	**0.83**	-	-	-	ND (0.37)	-	**2.6**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	1.1	-	-	-	ND (0.37)	-	19	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	0.55	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	0.61	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.37)	-	ND (0.77)	ND (0.74)	-	-	-	ND (0.75)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	1.3	-	1.2	2.1	-	-	-	11	-	-	-	3.1	-	86	-	4.3	1.6	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.37)	-	ND (0.19)	0.29	-	-	-	1.9	-	-	-	ND (0.37)	-	24	-	0.84	ND (0.38)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.37)	-	0.43	0.72	-	-	-	3.3	-	-	-	0.9	-	**9.7**	-	0.96	ND (0.38)	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.37)	-	0.59	0.25	-	-	-	0.87	-	-	-	ND (0.37)	-	**17**	-	0.7	ND (0.38)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	1.2	-	0.94	1.7	-	-	-	**11**	-	-	-	2.5	-	**140**	-	4.9	1.7	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	-	ND (0.37)	-	**ND (2.1)**	-	ND (0.59)	ND (0.38)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	1.7	-	1.1	2.1	-	-	-	9	-	-	-	2.8	-	88	-	4.7	1.2	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	7.88	-	7.42	13.36	-	-	-	70.57	-	-	-	19.12	-	655.2	-	29.49	9.45	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D9	D9	D9	D9	D9A	D10	D10	D10	D10	D11	D11	D11	D12	D12	D12	D12	D12	D12	D13	D13	D13	D13	D13	D13	D13
Sample Name			D9_S7_11-13	D9_S8_13-15	D9_S8_13-18	D9_S9_15-17	D9A_S1_7.0-8.9	D10_S1_4.8-9.1	D10_S2_5.1-7.1	D10_S3_7.1-9.1	D10_S4_9.1-11.1	D11_S1_7.1-9.1	D11_S2_7.1-9.1	D11_S3_9.1-11.1	D12_S3_7-9	D12_S4_7-10	D12_S5_9-11	D12_S6_10-15	D12_S7_11-13	D12_S8_15-18	D13_S2_5.3-15.2	D13_S3_5.3-6.5	D13_S4_7.2-8.2	D13_S5_11.2-13.2	D13_S6_13.2-15.2	D13_S7_15.2-17.2	D13_S8_17.2-19.2	D13_S12_19.2-21.2
Sample Date			12/15/2010	12/15/2010	12/15/2010	12/15/2010	02/27/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/20/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/07/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138629-10	138629-11	138629-21 138629-28 138629-35 138772-4	138629-12	15B0908-01 15B0908-01RE1 15C0231-01	15B0359-01 15B0555-01	15B0359-02	15B0758-01	15B0758-02	15B0830-01 15B0830-01RE1 15C0131-01	15C0179-01	15C0179-02	138690-23	138690-46 138690-57 138690-69 138879-6	138694-24	138690-37 138690-37RA1 138690-58 138690-70 138879-7	138690-25 138690-25RA1	138726-19 138726-25 138726-9 138880-1	133689-25 133689-53 133689-62 133883-3	133689-26	133689-27	133689-28	133689-29	133689-30	133689-31	133708-1
Sample Depth (bgs)			11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	15 - 17 (ft)	7 - 8.9 (ft)	4.8 - 9.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	7.1 - 9.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	7 - 9 (ft)	7 - 10 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	15 - 18 (ft)	5.3 - 15.2 (ft)	5.3 - 6.5 (ft)	7.2 - 8.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)
Sample Elevation (ft BCB)			9.9 to 7.9	7.9 to 5.9	7.9 to 2.9	5.9 to 3.9	13.9 to 12	16.3 to 12	16 to 14	14 to 12	12 to 10	14 to 12	14 to 12	12 to 10	14.1 to 12.1	14.1 to 11.1	12.1 to 10.1	11.1 to 6.1	10.1 to 8.1	6.1 to 3.1	15.9 to 6	15.9 to 14.7	14 to 13	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	180	2200	-	-	-	590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	66	-	-	-	-	-	-	-	-	-	-	310	-	**1200**	-	280	65	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	79	-	-	-	-	-	-	-	-	-	-	380	-	1900	-	330	77	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	48	-	-	-	-	-	-	-	-	-	-	390	-	69	-	260	96	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (22)	-	-	-	-	-	-	-	-	-	-	69	-	65	-	60	ND (34)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	**2000**	-	-	-	-	-	-	-	-	-	-	18	-	1.8	-	2.6	2.1	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	**20**	-	3.2	4.6	-	-	-	5.3	-	-	-	5.8	-	12	-	10	ND (3.4)	-	-	-	-	-	-	-
Barium	1000	NA	-	-	82	-	52	170	-	-	-	310	-	-	-	210	-	170	-	350	63	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	ND (0.33)	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.38)	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	ND (0.55)	-	0.68	7.6	-	-	-	4.2	-	-	-	6.8	-	2	-	1.2	1.1	-	-	-	-	-	-	-
Chromium	100	NA	-	-	9.6	-	14	22	-	-	-	24	-	-	-	29	-	12	-	22	16	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	**33000**	-	**420**	**850**	-	-	-	**1900**	-	-	-	**3200**	-	**680**	-	**650**	**430**	-	-	-	-	-	-	-
Mercury	20	NA	-	-	9.2	-	0.13	0.76	-	-	-	5.4	-	-	-	2.2	-	5.8	-	3.5	0.88	-	-	-	-	-	-	-
Nickel	600	NA	-	-	8.7	-	-	-	-	-	-	-	-	-	-	45	-	20	-	14	12	-	-	-	-	-	-	-
Selenium	400	NA	-	-	ND (5.5)	-	ND (5.5)	ND (5.6)	-	-	-	ND (5.9)	-	-	-	ND (5.6)	-	ND (6.3)	-	ND (5.7)	ND (5.7)	-	-	-	-	-	-	-
Silver	100	NA	-	-	1.8	-	ND (0.55)	ND (0.56)	-	-	-	ND (0.59)	-	-	-	ND (1.1)	-	ND (1.3)	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-
Thallium	8	NA	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.3)	-	ND (5.7)	ND (5.7)	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	15	-	-	-	-	-	-	-	-	-	-	79	-	30	-	27	38	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	96	-	-	-	-	-	-	-	-	-	-	**1700**	-	480	-	300	170	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	ND (0.3)	-	0.74	0.037	-	-	-	70	-	-	-	73	-	1.4	-	-	6	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	ND (0.0002)	-	-	-	-	-	-	0.00074	-	-	-	-	-	ND (0.0002)	-	0.0006	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	ND (0.57)	ND (0.1)	-	**ND (1.1)**	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	ND (0.57)	ND (0.1)	-	**ND (1.1)**	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	ND (0.57)	ND (0.1)	-	**ND (1.1)**	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	ND (0.57)	ND (0.1)	-	**ND (1.1)**	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	**1.9**	ND (0.1)	-	**1.8**	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	0.23	**1.9**	0.32	-	**4.6**	ND (0.11)	0.3	-	0.12	ND (0.05)	0.92	-	-	0.18	**35**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	0.28	**1.1**	0.71	-	**6.1**	ND (0.11)	0.4	-	0.1	0.17	**1.3**	-	-	0.29	**32**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.11)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	ND	ND	-	ND	-	-	0.51	**4.9**	**1.03**	-	**12.5**	ND	0.7	-	0.22	0.17	**2.22**	-	-	0.47	**67**	ND	ND	ND	ND	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	87.5	90.4	88.4	86.3	93.8	89.5	90.1	84.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	165 >	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	ND (3.9)	ND (3.9)	-	-	-	ND (3.9)	-	-	-	ND (50)	-	ND (50)	-	ND (50)	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	-	ND (20)	ND (20)	-	-	-	ND (19)	-	-	-	ND (100)	-	ND (100)	-	ND (100)	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	140	92	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	NI	NI	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	7	-	8.7	10	-	-	-	9	-	-	-	6.8	-	7	-	6.8	9.6	-	-	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	ND (1.7)	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	ND (1.7)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	2.8	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	4.4	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	2.6	-	5	7.2	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D13	D13	D13A	D13A	D13A	D14	D14	D14	D14	D14	D14	D14	D14	D14	D15	D15	D15	D15	D15	D15	D15	D15	D15	D15
Sample Name			D13_S13_21.2-23.2	D13_S14_23.2-25.2	D13A_S1_6.4-11.1	D13A_S2_6.4-9.1	D13A_S3_9.1-11.1	D14_S2_6-17	D14_S3_6-9	D14_S4_9-11	D14_S5_11-13	D14_S6_13-15	D14_S7_15-17	D14_S8_17-19	D14_S9_19-21	D14_S10_22-23	D15_S2_5.2-18.2	D15_S4_5.2-6.2	D15_S5_8.2-10.2	D15_S6_10.2-12.2	D15_S7_12.2-14.2	D15_S8_14.2-16.2	D15_S9_16.2-18.2	D15_S9_18.2-19	D15_S10_19-20.2	D15_S11_20.2-23.2
Sample Date			06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-2	133708-3	15B0362-01 15B0557-01	15B0362-02	15B0362-03	133644-39 133644-45 133644-52 133842-5 133842-7	133644-25 133644-25RA1	133644-26 133644-26RA1	133644-27 133644-27RA1	133644-28	133644-29	133644-30	133644-31	133644-32	133618-48 133618-58 133618-68 133765-3	133618-25	133618-26	133618-30	133618-27	133618-28	133618-29	133644-21	133644-22	133644-23
Sample Depth (bgs)			21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	6.4 - 11.1 (ft)	6.4 - 9.1 (ft)	9.1 - 11.1 (ft)	6 - 17 (ft)	6 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	22 - 23 (ft)	5.2 - 18.2 (ft)	5.2 - 6.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 19 (ft)	19 - 20.2 (ft)	20.2 - 23.2 (ft)
Sample Elevation (ft BCB)			0 to -2	-2 to -4	14.7 to 10	14.7 to 12	12 to 10	15.1 to 4.1	15.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	-0.9 to -1.9	16 to 3	16 to 15	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 2.2	2.2 to 1	1 to -2
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.0035)	-	-	0.53	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.0018)	-	-	0.98	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (0.088)	-	-	ND (3.5)	-	-	-	-	-	-	-	-	ND (0.66)	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.0035)	-	-	**ND (0.35)**	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.0035)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.0035)	-	-	**ND (0.35)**	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.0088)	-	-	**ND (1.4)**	-	-	-	-	-	-	-	-	**ND (0.16)**	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.0088)	-	-	0.75	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.0018)	-	-	1.2	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.0018)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.0018)	-	-	**ND (0.35)**	-	-	-	-	-	-	-	-	ND (0.016)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	-	-	3.46	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.37)	-	-	0.42	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	0.45	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	0.38	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.19)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	0.94	-	-	0.64	-	-	-	-	-	-	-	-	0.48	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	2	-	-	1.7	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	1.5	-	-	1.5	-	-	-	-	-	-	-	-	0.84	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	2	-	-	2.2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	0.72	-	-	0.61	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	0.75	-	-	0.74	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	0.66	-	-	1.4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	2	-	-	1.7	-	-	-	-	-	-	-	-	0.98	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	0.28	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	0.65	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.73)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	4.1	-	-	3.4	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	0.59	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	0.92	-	-	0.85	-	-	-	-	-	-	-	-	0.62	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	0.88	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	4	-	-	2.5	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.37)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	3.8	-	-	2.9	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	26.62	-	-	20.56	-	-	-	-	-	-	-	-	13.99	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D13	D13	D13A	D13A	D13A	D14	D14	D14	D14	D14	D14	D14	D14	D14	D15	D15	D15	D15	D15	D15	D15	D15	D15	D15
Sample Name			D13_S13_21.2-23.2	D13_S14_23.2-25.2	13A_S1_6.4-11.1	13A_S2_6.4-9.1	13A_S3_9.1-11.1	14_S2_6-17	14_S3_6-9	14_S4_9-11	14_S5_11-13	14_S6_13-15	14_S7_15-17	14_S8_17-19	14_S9_19-21	14_S10_22-23	15_S2_5.2-18.2	15_S4_5.2-6.2	15_S5_8.2-10.2	15_S6_10.2-12.2	15_S7_12.2-14.2	15_S8_14.2-16.2	15_S9_16.2-18.2	15_S9_18.2-19	15_S10_19-20.2	15_S11_20.2-23.2
Sample Date			06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-2	133708-3	15B0362-01 15B0557-01	15B0362-02	15B0362-03	133644-39 133644-45 133644-52 133842-5 133842-7	133644-25 133644-25RA1	133644-26 133644-26RA1	133644-27 133644-27RA1	133644-28	133644-29	133644-30	133644-31	133644-32	133618-48 133618-58 133618-68 133765-3	133618-25	133618-26	133618-30	133618-27	133618-28	133618-29	133644-21	133644-22	133644-23
Sample Depth (bgs)			21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	6.4 - 11.1 (ft)	6.4 - 9.1 (ft)	9.1 - 11.1 (ft)	6 - 17 (ft)	6 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	22 - 23 (ft)	5.2 - 18.2 (ft)	5.2 - 6.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 19 (ft)	19 - 20.2 (ft)	20.2 - 23.2 (ft)
Sample Elevation (ft BCB)			0 to -2	-2 to -4	14.7 to 10	14.7 to 12	12 to 10	15.1 to 4.1	15.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	-0.9 to -1.9	16 to 3	16 to 15	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 2.2	2.2 to 1	1 to -2
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	300	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	320	-	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	520	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	130	-	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	**48**	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	5.8	-	-	ND (3.9)	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	230	-	-	290	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	3.7	-	-	15	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	20	-	-	**190**	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	**1400**	-	-	**7200**	-	-	-	-	-	-	-	-	**580**	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	0.36	-	-	13	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	130	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	ND (5.8)	-	-	13	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	ND (0.58)	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	ND (6.4)	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	200	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	**1700**	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	0.027	-	-	340	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	-	**ND (1)**	**ND (1.1)**	-	**ND (9.8)**	**ND (11)**	**ND (11)**	ND (0.04)	**ND (2.9)**	**ND (5.3)**	ND (0.04)	ND (0.04)	**ND (2.3)**	**ND (9.1)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	-	**ND (1)**	**ND (1.1)**	-	**ND (9.8)**	**ND (11)**	**ND (11)**	ND (0.04)	**ND (2.9)**	**ND (5.3)**	ND (0.04)	ND (0.04)	**ND (2.3)**	**ND (9.1)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	-	**ND (1)**	**ND (1.1)**	-	**ND (9.8)**	**ND (11)**	**ND (11)**	ND (0.04)	**ND (2.9)**	**ND (5.3)**	ND (0.04)	ND (0.04)	**ND (2.3)**	**ND (9.1)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	-	**6.4**	**6.3**	-	**ND (9.8)**	**ND (11)**	**ND (11)**	ND (0.04)	**ND (2.9)**	**ND (5.3)**	ND (0.04)	ND (0.04)	**ND (2.3)**	**ND (9.1)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	-	**4.8**	**5.5**	-	**ND (9.8)**	**ND (11)**	**ND (11)**	ND (0.04)	**ND (2.9)**	**ND (5.3)**	ND (0.04)	ND (0.04)	**ND (2.3)**	**ND (9.1)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	-	**5.6**	**6.3**	-	**310**	**280**	**180**	0.66	**24**	**34**	0.49	0.49	**16**	**91**	0.18	0.3	0.1	ND (0.04)	ND (0.095)	0.39	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	ND (0.04)	-	**2.5**	**3**	-	**200**	**170**	**110**	0.47	**13**	**15**	0.33	0.32	**5**	**30**	0.072	0.11	0.046	ND (0.04)	ND (0.095)	0.33	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	-	ND (9.8)	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	-	ND (9.8)	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	ND	ND	-	**19.3**	**21.1**	-	**510**	**450**	**290**	**1.13**	**37**	**49**	0.82	0.81	**21**	**121**	0.252	0.41	0.146	ND	ND	0.72	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	91.3	95.2	89.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (3.9)	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (20)	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	11	-	-	6.9	-	-	-	-	-	-	-	-	7.1	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	5	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	9.6	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D15	D16	D16	D16	D16	D16	D16	D16	D16	D16	D16	D16	D16	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17
Sample Name			D15_S12_23.2-24.2	D16_S1_5.2-7.2	D16_S3_5.2-9.2	D16_S2_7.2-9.2	D16_S4_9.2-11.2	D16_S6_9.2-14.2	D16_S5_11.2-13.2	D16_S7_13.2-15.2	D16_S8_15.2-17.2	D16_S10_14.2-19.2	D16_S9_17.2-19.2	D16_S11_19.2-21.2	D16_S12_21.2-23.2	D17_S2_5.2-7.2	D17_S6_5.2-13.2	D17_S3_7.2-9.2	D17_S4_9.2-11.2	D17_S5_11.2-13.2	D17_S6_13.2-15.2	D17_S7_15.2-17.2	D17_S8_17.2-19.2	D17_S9_19.2-21.2	D17_S10_21.2-23.2
Sample Date			06/03/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133644-24	138690-7	138690-43 138690-53 138690-65 138879-3	138690-8	138690-9	138690-44 138690-54 138690-66 138879-12 138879-4	138690-10	138690-11	138690-12	138726-17 138726-23 138726-29 138880-3	138726-2	138726-3	138726-4	133618-11 133618-11RA1	133618-45 133618-55 133618-65 133765-2 133765-6	133618-12 133618-12RA1	133618-13	133618-14	133644-1	133644-2	133644-3	133644-4	133644-5
Sample Depth (bgs)			23.2 - 24.2 (ft)	5.2 - 7.2 (ft)	5.2 - 9.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	9.2 - 14.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	14.2 - 19.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	5.2 - 7.2 (ft)	5.2 - 13.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)
Sample Elevation (ft BCB)			-2 to -3	16 to 14	16 to 12	14 to 12	12 to 10	12 to 7	10 to 8	8 to 6	6 to 4	7 to 2	4 to 2	2 to 0	0 to -2	16 to 14	16 to 8	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL/HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (0.2)	-	-	ND (0.32)	-	-	-	ND (0.2)	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.05)	-	-	ND (0.081)	-	-	-	ND (0.05)	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	-	-	ND	-	-	-	ND	-	-	-	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	0.61	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	1.5	-	-	0.63	-	-	-	ND (0.46)	-	-	-	-	0.56	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	1.3	-	-	0.52	-	-	-	ND (0.46)	-	-	-	-	0.49	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	1.7	-	-	0.66	-	-	-	ND (0.46)	-	-	-	-	0.61	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	0.43	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	0.59	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	0.41	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	1.6	-	-	0.65	-	-	-	ND (0.46)	-	-	-	-	0.57	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	3.2	-	-	1.4	-	-	-	0.5	-	-	-	-	1.3	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	0.54	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	2.7	-	-	1.2	-	-	-	ND (0.46)	-	-	-	-	1.5	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-	ND (0.46)	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	2.8	-	-	1.3	-	-	-	0.55	-	-	-	-	1	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	17.38	-	-	6.36	-	-	-	1.05	-	-	-	-	6.03	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D15	D16	D16	D16	D16	D16	D16	D16	D16	D16	D16	D16	D16	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17
Sample Name			D15_S12_23.2-24.2	D16_S1_5.2-7.2	D16_S3_5.2-9.2	D16_S2_7.2-9.2	D16_S4_9.2-11.2	D16_S6_9.2-14.2	D16_S5_11.2-13.2	D16_S7_13.2-15.2	D16_S8_15.2-17.2	D16_S10_14.2-19.2	D16_S9_17.2-19.2	D16_S11_19.2-21.2	D16_S12_21.2-23.2	D17_S2_5.2-7.2	D17_S6_5.2-13.2	D17_S3_7.2-9.2	D17_S4_9.2-11.2	D17_S5_11.2-13.2	D17_S6_13.2-15.2	D17_S7_15.2-17.2	D17_S8_17.2-19.2	D17_S9_19.2-21.2	D17_S10_21.2-23.2
Sample Date			06/03/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/20/2010	12/20/2010	12/20/2010	12/20/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133644-24	138690-7	138690-43 138690-53 138690-65 138879-3	138690-8	138690-9	138690-44 138690-54 138690-66 138879-12 138879-4	138690-10	138690-11	138690-12	138726-17 138726-23 138726-29 138880-3	138726-2	138726-3	138726-4	133618-11 133618-11RA1	133618-45 133618-55 133618-65 133765-2 133765-6	133618-12 133618-12RA1	133618-13	133618-14	133644-1	133644-2	133644-3	133644-4	133644-5
Sample Depth (bgs)			23.2 - 24.2 (ft)	5.2 - 7.2 (ft)	5.2 - 9.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	9.2 - 14.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	14.2 - 19.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	5.2 - 7.2 (ft)	5.2 - 13.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)
Sample Elevation (ft BCB)			-2 to -3	16 to 14	16 to 12	14 to 12	12 to 10	12 to 7	10 to 8	8 to 6	6 to 4	7 to 2	4 to 2	2 to 0	0 to -2	16 to 14	16 to 8	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL/HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	100	-	-	60	-	-	-	63	-	-	-	-	120	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	120	-	-	67	-	-	-	67	-	-	-	-	160	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	130	-	-	90	-	-	-	98	-	-	-	-	73	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (23)	-	-	ND (29)	-	-	-	ND (28)	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	2.2	-	-	2.4	-	-	-	ND (1.4)	-	-	-	-	4.5	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	ND (3.3)	-	-	**21**	-	-	-	5.7	-	-	-	-	5.1	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	78	-	-	250	-	-	-	130	-	-	-	-	140	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	ND (0.33)	-	-	ND (0.44)	-	-	-	ND (0.43)	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	1.3	-	-	1.4	-	-	-	1.3	-	-	-	-	2.2	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	28	-	-	62	-	-	-	13	-	-	-	-	98	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	**240**	-	-	**7200**	-	-	-	**200**	-	-	-	-	**530**	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	1.3	-	-	3.5	-	-	-	1	-	-	-	-	7.4	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	27	-	-	19	-	-	-	9.7	-	-	-	-	44	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	ND (5.5)	-	-	ND (7.4)	-	-	-	ND (7.2)	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	ND (1.1)	-	-	ND (1.5)	-	-	-	ND (1.4)	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	ND (5.5)	-	-	ND (7.4)	-	-	-	ND (7.2)	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	31	-	-	49	-	-	-	31	-	-	-	-	38	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	300	-	-	250	-	-	-	120	-	-	-	-	**1200**	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	ND (0.3)	-	-	0.4	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	0.0013	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	0.48	-	0.059	0.061	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	**1.3**	0.19	**1.5**	ND (0.058)	ND (0.047)	0.058	0.046	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	0.35	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	0.81	0.16	**1.6**	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	ND	0.83	-	0.059	0.061	-	ND	ND	ND	-	ND	ND	ND	**2.11**	0.35	**3.1**	ND	ND	0.058	0.046	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	-	-	165 >	-	-	-	165 >	-	-	-	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	-	ND (50)	-	-	-	ND (50)	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	-	-	ND (100)	-	-	-	ND (100)	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	7	-	-	7	-	-	-	6.9	-	-	-	-	6.6	-	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-	ND (1.3)	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-	ND (1.3)	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-	ND (1.3)	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-	ND (1.3)	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-	ND (1.3)	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D17	D18	D18	D18	D18	D18	D18	D18	D18	D18	D19	D19	D19	D19	D19	D19A	D19A	D19A	D19A	D20	D20	D20	D20	D21
Sample Name			D17_S11_23.2-25.2	D18_S2_5-6.1	D18_S5_5-15	D18_S3_11-13	D18_S4_13-15	D18_S6_15-17	D18_S7_17-19	D18_S8_19-21	D18_S9_21-23	D18_S10_23-25	D19_S2_5.2-6.8	D19_S2_16-18	D19_S3_18-20	D19_S4_20-22	D19_S5_22-24	D19A_S1_4.8-8.8	D19A_S2_4.8-6.8	D19A_S3_6.8-8.8	D19A_S4_8.8-10.8	D20_S1_6.7-8.7	D20_S2_8.7-10.7	D20_S3_10.7-12.7	D20_S4_12.7-14.7	D21_S1_5-8.4
Sample Date			06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	02/10/2015	02/10/2015	02/10/2015	02/10/2015	12/20/2010	12/20/2010	12/20/2010	12/20/2010	01/11/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133644-6	133644-7	133644-38 133644-41 133644-48 133842-4	133644-8	133644-9	133644-10	133644-11	133644-12	133644-13	133644-14	133618-41	133644-15	133644-16	133644-17	133644-18	15B0317-01 15B0317-01RE1 15B0535-01	15B0317-02	15B0728-01	15B0728-02	138726-5	138726-6	138726-7	138726-8	139103-22
Sample Depth (bgs)			23.2 - 25.2 (ft)	5 - 6.1 (ft)	5 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	5.2 - 6.8 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4.8 - 8.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	8.8 - 10.8 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	5 - 8.4 (ft)
Sample Elevation (ft BCB)			-2 to -4	16 to 14.9	16 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15.6 to 14	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	16 to 12		14 to 12	12 to 10	14 to 12	12 to 10	10 to 8	8 to 6	15.5 to 12.1
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	GRANITE BLOCKS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (0.31)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.081)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.079)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0081)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	0.026	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	0.026	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.78)**	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.78)**	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.78)**	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	0.69	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**9.4**	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**8.5**	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**9.4**	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**1.7**	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	**16**	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	135.39	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D17	D18	D18	D18	D18	D18	D18	D18	D18	D18	D19	D19	D19	D19	D19	D19	D19A	D19A	D19A	D19A	D19A	D20	D20	D20	D20	D21
Sample Name			D17_S11_23.2-25.2	D18_S2_5-6.1	D18_S5_5-15	D18_S3_11-13	D18_S4_13-15	D18_S6_15-17	D18_S7_17-19	D18_S8_19-21	D18_S9_21-23	D18_S10_23-25	D19_S2_5.2-6.8	D19_S2_16-18	D19_S3_18-20	D19_S4_20-22	D19_S5_22-24	D19A_S1_4.8-8.8	D19A_S2_4.8-6.8	D19A_S3_6.8-8.8	D19A_S4_8.8-10.8	D20_S1_6.7-8.7	D20_S2_8.7-10.7	D20_S3_10.7-12.7	D20_S4_12.7-14.7	D21_S1_5-8.4
Sample Date			06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	02/10/2015	02/10/2015	02/10/2015	02/10/2015	12/20/2010	12/20/2010	12/20/2010	12/20/2010	01/11/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133644-6	133644-7	133644-38 133644-41 133644-48 133842-4	133644-8	133644-9	133644-10	133644-11	133644-12	133644-13	133644-14	133618-41	133644-15	133644-16	133644-17	133644-18	15B0317-01 15B0317-01RE1 15B0535-01	15B0317-02	15B0728-01	15B0728-02	138726-5	138726-6	138726-7	138726-8	139103-22
Sample Depth (bgs)			23.2 - 25.2 (ft)	5 - 6.1 (ft)	5 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	5.2 - 6.8 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4.8 - 8.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	8.8 - 10.8 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	5 - 8.4 (ft)
Sample Elevation (ft BCB)			-2 to -4	16 to 14.9	16 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15.6 to 14	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	16 to 12	16 to 14	14 to 12	12 to 10	14 to 12	12 to 10	10 to 8	8 to 6	15.5 to 12.1
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	GRANITE BLOCKS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (43)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	290	-	-	-	-	-	-	-	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	5.3	-	-	-	-	-	-	-	-	-	-	-	-	8.4	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	**5700**	-	-	-	-	-	-	-	-	-	-	-	-	**4100**	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	**96**	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	ND (7.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	**ND (4.3)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	**ND (4.3)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	**ND (4.3)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	**ND (4.3)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.78	**1.1**	**2.9**	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	**ND (4.3)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	**9.7**	-	0.056	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**1.2**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**1.2**	**1.7**	**4**	ND (0.05)	0.14	ND (0.062)	0.071	**36**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	**5.4**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.62	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.5	0.89	**2**	ND (0.05)	0.18	ND (0.062)	ND (0.051)	**19**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	ND (4.3)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)	ND (0.062)	ND (0.051)	ND (4.3)
SUM of PCBs	1	NA	ND	**15.1**	-	0.056	ND	ND	ND	ND	ND	ND	**1.82**	ND	ND	ND	ND	-	**2.48**	**3.69**	**8.9**	ND	0.32	ND	0.071	**55**
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	90.1	81	89.5	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	6.8	-	-	-	-	-	-	-	-	-	-	-	-	9.2	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D21	D21	D21	D21A	D21A	D21A	D22	D22	E3	E3	E3	E3	E4	E4	E4	E4	E5	E5	E5	E5	E6	E6	E6	E6	E7	E7
Sample Name			D21_S2_8.4-10.4	D21_S3_10.4-12.4	D21_S4_12.4-14.4	D21A_S1_5.3-8.6	D21A_S2_5.3-6.6	D21A_S3_6.6-8.6	D22_S1_4.4-6.4	D22_S2_6.4-8.4	E3_S1_0.0-1.2	E3_S2_1.2-3.2	E3_S3_3.2-5.2	E3_S4_5.2-7.2	E4_S1_1.2-2.2	E4_S2_2.2-4.2	E4_S3_4.2-6.2	E4_S4_6.2-8.2	E5_S1_1.8-2.8	E5_S2_2.8-4.8	E5_S3_4.8-6.8	E5_S4_6.8-8.8	E6_S1_1.6-2.6	E6_S2_2.6-4.6	E6_S3_4.6-6.6	E6_S4_6.6-8.6	E7_S2_4.5-6.5	E7_S5_4.5-10.5
Sample Date			01/11/2011	01/11/2011	01/11/2011	02/10/2015	02/10/2015	02/10/2015	02/10/2015	02/10/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/25/2010	06/25/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139103-23	139103-24	139103-25	15B0318-01 15B0448-01	15B0318-02	15B0318-03	15B0320-01	15B0320-02	15L0053-16	15L0053-17	15L0053-18	15L0053-19	15K0894-15	15K0894-16	15K0894-17	15K0894-18	15L0041-07	15L0041-08	15L0041-09	15L0041-10	15K1344-07	15K1344-08	15K1344-09	15K1344-10	134292-11	134292-13 134292-51 134292-59 134569-2
Sample Depth (bgs)			8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	5.3 - 8.6 (ft)	5.3 - 6.6 (ft)	6.6 - 8.6 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	4.5 - 6.5 (ft)	4.5 - 10.5 (ft)
Sample Elevation (ft BCB)			12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.3 to 12	15.3 to 14	14 to 12	16 to 14	14 to 12	17.2 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	14 to 12	14 to 8
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Acetone	6	NA	-	-	-	ND (0.08)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.23)
Benzene	2	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Chlorobenzene	1	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Ethylbenzene	40	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Isopropylbenzene	1000	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
m,p-Xylenes	NA	NA	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Methylene chloride	0.1	NA	-	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.058)
Naphthalene	4	NA	-	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
n-Propylbenzene	100	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
o-Xylene	NA	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Styrene	3	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Tetrachloroethene	1	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Toluene	30	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Trichloroethene	0.3	NA	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**ND (0.78)**
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
2-Methylphenol	500	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
3&4-Methylphenol	NA	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Acenaphthene	4	NA	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Acenaphthylene	1	NA	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Acetophenone	NA	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Aniline	NA	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Anthracene	1000	NA	-	-	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Benzo(a)anthracene	7	NA	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.84
Benzo(a)pyrene	2	NA	-	-	-	0.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.92
Benzo(b)fluoranthene	7	NA	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Benzo(g,h,i)perylene	1000	NA	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62
Benzo(k)fluoranthene	70	NA	-	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Butyl benzylphthalate	100	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Chrysene	70	NA	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Dibenzofuran	100	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Diethyl phthalate	10	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Di-n-butylphthalate	50	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Fluoranthene	1000	NA	-	-	-	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
Fluorene	1000	NA	-	-	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67
Isophorone	100	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Naphthalene	4	NA	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Pentachlorophenol	3	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Phenanthrene	10	NA	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
Phenol	1	NA	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)
Pyrene	1000	NA	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	14.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.85

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			D21	D21	D21	D21A	D21A	D21A	D22	D22	E3	E3	E3	E3	E4	E4	E4	E4	E5	E5	E5	E5	E6	E6	E6	E6	E7	E7
Sample Name			D21_S2_8.4-10.4	D21_S3_10.4-12.4	D21_S4_12.4-14.4	D21A_S1_5.3-8.6	D21A_S2_5.3-6.6	D21A_S3_6.6-8.6	D22_S1_4.4-6.4	D22_S2_6.4-8.4	E3_S1_0.0-1.2	E3_S2_1.2-3.2	E3_S3_3.2-5.2	E3_S4_5.2-7.2	E4_S1_1.2-2.2	E4_S2_2.2-4.2	E4_S3_4.2-6.2	E4_S4_6.2-8.2	E5_S1_1.8-2.8	E5_S2_2.8-4.8	E5_S3_4.8-6.8	E5_S4_6.8-8.8	E6_S1_1.6-2.6	E6_S2_2.6-4.6	E6_S3_4.6-6.6	E6_S4_6.6-8.6	E7_S2_4.5-6.5	E7_S5_4.5-10.5
Sample Date			01/11/2011	01/11/2011	01/11/2011	02/10/2015	02/10/2015	02/10/2015	02/10/2015	02/10/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/25/2010	06/25/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139103-23	139103-24	139103-25	15B0318-01 15B0448-01	15B0318-02	15B0318-03	15B0320-01	15B0320-02	15L0053-16	15L0053-17	15L0053-18	15L0053-19	15K0894-15	15K0894-16	15K0894-17	15K0894-18	15L0041-07	15L0041-08	15L0041-09	15L0041-10	15K1344-07	15K1344-08	15K1344-09	15K1344-10	134292-11	134292-13 134292-51 134292-59 134569-2
Sample Depth (bgs)			8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	5.3 - 8.6 (ft)	5.3 - 6.6 (ft)	6.6 - 8.6 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	4.5 - 6.5 (ft)	4.5 - 10.5 (ft)
Sample Elevation (ft BCB)			12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.3 to 12	15.3 to 14	14 to 12	16 to 14	14 to 12	17.2 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	14 to 12	14 to 8
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (34)
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)
Arsenic	20	NA	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7
Barium	1000	NA	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)
Cadmium	70	NA	-	-	-	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97
Chromium	100	NA	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	**230**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**240**
Mercury	20	NA	-	-	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Selenium	400	NA	-	-	-	ND (5.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)
Silver	100	NA	-	-	-	ND (0.53)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)
Mercury	NA	0.2	-	-	-	ND (0.0001)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	**ND (1)**	**ND (2.1)**	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	**ND (1)**	**ND (2.1)**	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	**ND (1)**	**ND (2.1)**	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	**ND (1)**	**ND (2.1)**	ND (0.11)	0.16	ND (0.12)	ND (0.47)	ND (0.11)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	0.12	ND (0.11)	ND (0.11)	0.3	ND (0.11)	ND (0.12)	**6.7**	**7.1**	ND (0.11)	ND (0.1)	**1.4**	**2.3**	ND (0.11)	ND (0.1)	**4.2**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
Aroclor-1254 (PCB-1254)	1	NA	0.14	0.38	0.21	-	0.13	ND (0.11)	0.16	ND (0.11)	0.11	0.65	ND (0.11)	ND (0.12)	**6.5**	**9.4**	ND (0.11)	ND (0.1)	0.53	0.96	ND (0.11)	ND (0.1)	**1.8**	ND (0.11)	ND (0.11)	ND (0.12)	0.15	-
Aroclor-1260 (PCB-1260)	1	NA	0.09	0.23	0.15	-	ND (0.12)	ND (0.11)	0.15	ND (0.11)	ND (0.11)	0.29	ND (0.11)	ND (0.12)	**2.7**	**3.4**	ND (0.11)	ND (0.1)	0.24	ND (0.47)	ND (0.11)	ND (0.1)	0.84	0.13	ND (0.11)	ND (0.12)	0.087	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.046)	-
SUM of PCBs	1	NA	0.23	0.61	0.36	-	0.13	ND	0.43	ND	0.11	**1.24**	ND	ND	**15.9**	**19.9**	ND	0.16	**2.17**	**3.26**	ND	ND	**6.84**	0.13	ND	ND	0.237	-
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	88.4	84.7	88.2	93.2	93.2	87.8	95.2	87.8	80.7	93.8	92.9	89.9	95.9	84.1	84.9	90.1	95.2	87	87.5	90.3	79.4	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E7	E7	E7	E7	E7	E7	E7	E7	E8	E8	E8	E8	E8	E8	E8	E8	E8	E8	E8	E9	E9	E9	E9	E9	E9
Sample Name			E7_S3_6.5-8.5	E7_S4_8.5-10.5	E7_S6_10.5-12.5	E7_S7_12.5-14.5	E7_S8_14.5-16.5	E7_S9_16.5-18.5	E7_S10_18.5-20.5	E7_S11_20.5-22.5	E8_S02_5.0-7.0	E8_S12_5.0-15.0	E8_S3_7.0-9.0	E8_S4_9.0-11.0	E8_S5_11.0-13.0	E8_S6_13.0-15.0	E8_S7_15.0-17.0	E8_S8_17.0-19.0	E8_S9_19.0-21.0	E8_S10_21.0-23.0	E8_S11_23.0-25.0	E9_S1_4.8-9.3	E9_S3_4.8-5.3	E9_S4_5.3-7.3	E9_S5_7.3-9.3	E9_S2_9.3-11.3	E9_S6_9.3-11.3
Sample Date			06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134292-12	134292-14	134292-15	134292-16	134316-7	134316-8	134316-9	134316-10	133708-4	133708-53 133708-65 133708-73 133941-5	133708-5	133708-6	133708-7	133708-8	133708-9	133708-10	133708-11	133708-12	133708-13	15B0357-01	15B0357-03	15B0357-04	15B0357-05	15B0357-02 15B0357-02RE1 15B0619-01	15B0357-06
Sample Depth (bgs)			6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	5 - 7 (ft)	5 - 15 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	-3.6 to -5.6	4.8 - 9.3 (ft)	4.8 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.4 to 12.4	14.4 to 4.4	12.4 to 10.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	16.4 to 11.9	16.4 to 15.9	15.9 to 13.9	13.9 to 11.9	11.9 to 9.9	11.9 to 9.9
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	MISCELLANEOUS FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	-	-	-	ND (0.054)	-	-	-	ND (0.078)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	ND (0.054)	-	-	-	-	-	-	-	-	-	ND (0.0054)	-	-	-	ND (0.0078)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0054)	-	-	-	ND (0.0078)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.26	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.27	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.51	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-	-	-	0.28	-	-	-	0.71	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	0.53	-	-	-	3.1	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	**2.8**	-	-	-	-	-	-	-	-	-	0.48	-	-	-	**3.5**	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-	0.55	-	-	-	3.9	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	0.32	-	-	-	2.3	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	0.23	-	-	-	1.5	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	0.52	-	-	-	3.1	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.55	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.71)	-	-	-	ND (0.79)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	-	-	-	-	-	1.2	-	-	-	6.5	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.2	-	-	-	0.36	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	0.39	-	-	-	3	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.88	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	4.1	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	5.6	-	-	-	-	-	-	-	-	-	1.1	-	-	-	7.1	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	33.59	-	-	-	-	-	-	-	-	-	6.8	-	-	-	41.64	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E7	E7	E7	E7	E7	E7	E7	E7	E8	E8	E8	E8	E8	E8	E8	E8	E8	E8	E8	E9	E9	E9	E9	E9	E9
Sample Name			E7_S3_6.5-8.5	E7_S4_8.5-10.5	E7_S6_10.5-12.5	E7_S7_12.5-14.5	E7_S8_14.5-16.5	E7_S9_16.5-18.5	E7_S10_18.5-20.5	E7_S11_20.5-22.5	E8_S02_5.0-7.0	E8_S12_5.0-15.0	E8_S3_7.0-9.0	E8_S4_9.0-11.0	E8_S5_11.0-13.0	E8_S6_13.0-15.0	E8_S7_15.0-17.0	E8_S8_17.0-19.0	E8_S9_19.0-21.0	E8_S10_21.0-23.0	E8_S11_23.0-25.0	E9_S1_4.8-9.3	E9_S3_4.8-5.3	E9_S4_5.3-7.3	E9_S5_7.3-9.3	E9_S2_9.3-11.3	E9_S6_9.3-11.3
Sample Date			06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134292-12	134292-14	134292-15	134292-16	134316-7	134316-8	134316-9	134316-10	133708-4	133708-53 133708-65 133708-73 133941-5	133708-5	133708-6	133708-7	133708-8	133708-9	133708-10	133708-11	133708-12	133708-13	15B0357-01	15B0357-03	15B0357-04	15B0357-05	15B0357-02 15B0357-02RE1 15B0619-01	15B0357-06
Sample Depth (bgs)			6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	5 - 7 (ft)	5 - 15 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4.8 - 9.3 (ft)	4.8 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.4 to 12.4	14.4 to 4.4	12.4 to 10.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	16.4 to 11.9	16.4 to 15.9	15.9 to 13.9	13.9 to 11.9	11.9 to 9.9	11.9 to 9.9
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	MISCELLANEOUS FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	670	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-	-	3.4	-	-	-	**40**	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	140	-	-	-	-	-	-	-	-	-	27	-	-	-	120	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	0.29	-	-	-	1.9	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	12	-	-	-	51	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	**390**	-	-	-	-	-	-	-	-	-	22	-	-	-	**350**	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	0.36	-	-	-	-	-	-	-	-	-	0.065	-	-	-	0.34	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	ND (6.4)	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	-	ND (6.2)	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (0.57)	-	-	-	ND (0.62)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**3.4**	**2.3**	**2**	-	ND (0.1)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**2.3**	**1.5**	**1.7**	-	ND (0.1)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.053)	0.049	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	0.2	ND (0.04)	0.068	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.7	0.56	0.77	-	ND (0.1)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	0.1	ND (0.04)	0.043	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)
SUM of PCBs	1	NA	ND	0.049	ND	ND	ND	ND	ND	ND	ND	-	0.3	ND	0.111	ND	ND	ND	ND	ND	ND	-	**6.4**	**4.36**	**4.47**	-	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.7	89.3	87.4	88.5	85	96.9
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	ND (4)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (20)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	-	-	-	81	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	NI	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	11	-	-	-	7.6	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E10	E10	E10	E10	E11	E11	E11	E12	E12	E12	E12	E13	E13	E13	E13	E13	E13	E13	E13	E14	E14	E14	E14	E14
Sample Name			E10_S1_6.3-9.2	E10_S2_6.3-7.2	E10_S3_7.2-9.2	E10_S4_9.2-11.2	E11_S1_8.0-9.5	E11_S2_8.0-9.5	E11_S3_9.5-11.5	E12_S1_7.2-9.6	E12_S2_7.2-7.6	E12_S3_7.6-9.6	E12_S4_9.6-11.6	E13_S4_6.5-12.9	E13_S2_9.5-11.5	E13_S3_11.5-12.9	E13_S5_13.5-15.5	E13_S6_15.5-17.5	E13_S7_17.5-19.5	E13_S8_19.5-21.5	E13_S9_21.5-23.5	E13_S10_23.5-25.5	E14_S2_8.0-10.0	E14_S3_10.0-12.0	E14_S4_12.0-14.0	E14_S3_12-14	E14_S5_12-16
Sample Date			02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/03/2010	06/03/2010	06/03/2010	06/07/2010	06/07/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15B0360-01 15B0556-01	15B0360-02	15B0759-01	15B0759-02	15B0832-01 15C0132-01	15C0181-01	15C0181-02	15B0358-01 15B0554-01	15B0358-02	15B0760-01	15B0760-02	133689-47 133689-57 133689-66 133883-5	133689-45	133689-46	133689-48	133708-18	133708-19	133708-20	133708-21	133708-22	133644-35 133644-35RA1 133644-43 133644-50 133842-2 133842-6	133644-19 133644-19RA1	133644-20 133644-20RA1	133708-33	133708-50 133708-61 133708-69 133941-3
Sample Depth (bgs)			6.3 - 9.2 (ft)	6.3 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	8 - 9.5 (ft)	8 - 9.5 (ft)	9.5 - 11.5 (ft)	7.2 - 9.6 (ft)	7.2 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	6.5 - 12.9 (ft)	9.5 - 11.5 (ft)	11.5 - 12.9 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	12 - 16 (ft)
Sample Elevation (ft BCB)			14.9 to 12	14.9 to 14	14 to 12	12 to 10	13.5 to 12	13.5 to 12	12 to 10	14.4 to 12	14.4 to 14	14 to 12	12 to 10	15 to 8.6	12 to 10	10 to 8.6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	13.4 to 11.4	11.4 to 9.4	9.4 to 7.4	9.4 to 7.4	9.4 to 5.4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	ND (0.0022)	-	-	-	ND (0.0026)	-	-	ND (0.0032)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
1,2,4-Trichlorobenzene	2	NA	ND (0.0011)	-	-	-	ND (0.0026)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	0.54	-	-	-	ND (0.01)
1,2,4-Trimethylbenzene	1000	NA	ND (0.0054)	-	-	-	0.002	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
1,2-Dichlorobenzene	9	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
1,3,5-Trimethylbenzene	10	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
1,3-Dichlorobenzene	3	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
1,4-Dichlorobenzene	0.7	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Acetone	6	NA	ND (0.054)	-	-	-	ND (0.065)	-	-	ND (0.081)	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (3.7)	-	-	-	ND (0.38)
Benzene	2	NA	ND (0.0011)	-	-	-	0.0017	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Chlorobenzene	1	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Chloroform (Trichloromethane)	0.2	NA	ND (0.0022)	-	-	-	ND (0.0026)	-	-	ND (0.0032)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	**ND (0.37)**	-	-	-	ND (0.01)
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0011)	-	-	-	0.0024	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Ethylbenzene	40	NA	ND (0.0011)	-	-	-	0.0021	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Isopropylbenzene	1000	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
m,p-Xylenes	NA	NA	ND (0.0022)	-	-	-	0.0027	-	-	ND (0.0032)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Methyl Tert Butyl Ether	0.1	NA	ND (0.0022)	-	-	-	ND (0.0026)	-	-	ND (0.0032)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	**ND (0.37)**	-	-	-	ND (0.01)
Methylene chloride	0.1	NA	ND (0.0054)	-	-	-	ND (0.0065)	-	-	ND (0.0081)	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	**ND (1.5)**	-	-	-	ND (0.096)
Naphthalene	4	NA	ND (0.0054)	-	-	-	0.0069	-	-	ND (0.0081)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	0.74	-	-	-	ND (0.01)
n-Propylbenzene	100	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
o-Xylene	NA	NA	ND (0.0011)	-	-	-	0.0027	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Styrene	3	NA	ND (0.0011)	-	-	-	0.0031	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Tetrachloroethene	1	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Toluene	30	NA	ND (0.0011)	-	-	-	0.0023	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.01)
Trichloroethene	0.3	NA	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	**ND (0.37)**	-	-	-	ND (0.01)
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	0.0259	-	-	ND	-	-	-	ND	-	-	-	-	-	-	-	-	1.28	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.91	-	-	-	ND (0.43)
1,2-Dichlorobenzene	9	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
1,3-Dichlorobenzene	3	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
1,4-Dichlorobenzene	0.7	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	**0.73**	-	-	-	ND (0.43)
2,4-Dimethylphenol	0.7	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
2,4-Dinitrotoluene	0.7	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
2,6-Dinitrotoluene	NA	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
2-Chloronaphthalene	1000	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
2-Methylnaphthalene	0.7	NA	ND (0.19)	-	-	-	0.22	-	-	ND (0.19)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
2-Methylphenol	500	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
3&4-Methylphenol	NA	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	0.39	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.43	-	-	-	ND (0.43)
Acenaphthene	4	NA	0.62	-	-	-	0.25	-	-	0.25	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.47	-	-	-	ND (0.43)
Acenaphthylene	1	NA	ND (0.19)	-	-	-	ND (0.19)	-	-	ND (0.19)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Acetophenone	NA	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Aniline	NA	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Anthracene	1000	NA	0.74	-	-	-	0.45	-	-	0.74	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	1.1	-	-	-	ND (0.43)
Benzo(a)anthracene	7	NA	1	-	-	-	0.8	-	-	1.6	-	-	-	0.44	-	-	-	-	-	-	-	-	2.7	-	-	-	1.1
Benzo(a)pyrene	2	NA	0.88	-	-	-	0.72	-	-	1.3	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	**3**	-	-	-	1.2
Benzo(b)fluoranthene	7	NA	1.1	-	-	-	1	-	-	1.9	-	-	-	0.48	-	-	-	-	-	-	-	-	5.8	-	-	-	1.3
Benzo(g,h,i)perylene	1000	NA	0.48	-	-	-	0.54	-	-	0.97	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	1.2
Benzo(k)fluoranthene	70	NA	0.38	-	-	-	0.36	-	-	0.71	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	1.9	-	-	-	0.44
bis(2-Ethylhexyl)phthalate	90	NA	0.54	-	-	-	0.54	-	-	0.92	-	-	-	0.44	-	-	-	-	-	-	-	-	1.4	-	-	-	ND (0.43)
Butyl benzylphthalate	100	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.6	-	-	-	ND (0.43)
Chrysene	70	NA	1	-	-	-	0.91	-	-	1.8	-	-	-	0.45	-	-	-	-	-	-	-	-	3.1	-	-	-	1.1
Dibenz(a,h)anthracene	0.7	NA	ND (0.19)	-	-	-	ND (0.19)	-	-	0.26	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	0.54
Dibenzofuran	100	NA	0.64	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Diethyl phthalate	10	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Di-n-butylphthalate	50	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Di-n-octyl phthalate	1000	NA	ND (0.75)	-	-	-	ND (0.76)	-	-	ND (0.73)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Fluoranthene	1000	NA	2.6	-	-	-	2.2	-	-	3.7	-	-	-	0.86	-	-	-	-	-	-	-	-	6.1	-	-	-	1.5
Fluorene	1000	NA	0.78	-	-	-	0.35	-	-	0.31	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.45	-	-	-	ND (0.43)
Indeno(1,2,3-cd)pyrene	7	NA	0.6	-	-	-	0.64	-	-	1.2	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.41	-	-	-	0.95
Isophorone	100	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Naphthalene	4	NA	0.29	-	-	-	0.47	-	-	0.38	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.61	-	-	-	ND (0.43)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	0.68	-	-	-	ND (0.43)
Pentachlorophenol	3	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Phenanthrene	10	NA	2.8	-	-	-	1.9	-	-	3.1	-	-	-	0.87	-	-	-	-	-	-	-	-	4.2	-	-	-	0.89
Phenol	1	NA	ND (0.38)	-	-	-	ND (0.38)	-	-	0.98	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.43)
Pyrene	1000	NA	2.5	-	-	-	1.7	-	-	3.4	-	-	-	0.77	-	-	-	-	-	-	-	-	4.1	-	-	-	1.3
SUM of Semi-Volatile Organic Compounds	NA	NA	16.95	-	-	-	13.05	-	-	23.91	-	-	-	4.31	-	-	-	-	-	-	-	-	38.69	-	-	-	11.52

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E10	E10	E10	E10	E11	E11	E11	E12	E12	E12	E12	E13	E13	E13	E13	E13	E13	E13	E13	E13	E14	E14	E14	E14	E14
Sample Name			E10_S1_6.3-9.2	E10_S2_6.3-7.2	E10_S3_7.2-9.2	E10_S4_9.2-11.2	E11_S1_8.0-9.5	E11_S2_8.0-9.5	E11_S3_9.5-11.5	E12_S1_7.2-9.6	E12_S2_7.2-7.6	E12_S3_7.6-9.6	E12_S4_9.6-11.6	E13_S4_6.5-12.9	E13_S2_9.5-11.5	E13_S3_11.5-12.9	E13_S5_13.5-15.5	E13_S6_15.5-17.5	E13_S7_17.5-19.5	E13_S8_19.5-21.5	E13_S9_21.5-23.5	E13_S10_23.5-25.5	E14_S2_8.0-10.0	E14_S3_10.0-12.0	E14_S4_12.0-14.0	E14_S3_12-14	E14_S5_12-16
Sample Date			02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/03/2010	06/03/2010	06/03/2010	06/07/2010	06/07/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15B0360-01 15B0556-01	15B0360-02	15B0759-01	15B0759-02	15B0832-01 15C0132-01	15C0181-01	15C0181-02	15B0358-01 15B0554-01	15B0358-02	15B0760-01	15B0760-02	133689-47 133689-57 133689-66 133883-5	133689-45	133689-46	133689-48	133708-18	133708-19	133708-20	133708-21	133708-22	133644-35 133644-35RA1 133644-43 133644-50 133842-2 133842-6	133644-19 133644-19RA1	133644-20 133644-20RA1	133708-33	133708-50 133708-61 133708-69 133941-3
Sample Depth (bgs)			6.3 - 9.2 (ft)	6.3 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	8 - 9.5 (ft)	8 - 9.5 (ft)	9.5 - 11.5 (ft)	7.2 - 9.6 (ft)	7.2 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	6.5 - 12.9 (ft)	9.5 - 11.5 (ft)	11.5 - 12.9 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	12 - 16 (ft)
Sample Elevation (ft BCB)			14.9 to 12	14.9 to 14	14 to 12	12 to 10	13.5 to 12	13.5 to 12	12 to 10	14.4 to 12	14.4 to 14	14 to 12	12 to 10	15 to 8.6	12 to 10	10 to 8.6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	13.4 to 11.4	11.4 to 9.4	9.4 to 7.4	9.4 to 7.4	9.4 to 5.4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	580	-	-	-	4300	-	-	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	-	640	-	-	-	48
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	680	-	-	-	57
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	93	-	-	-	-	-	-	-	-	880	-	-	-	ND (40)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (32)	-	-	-	-	-	-	-	-	230	-	-	-	ND (40)
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	ND (1.5)	-	-	-	-	-	**55**	-	-	-	ND (1.3)
Arsenic	20	NA	ND (2.7)	-	-	-	ND (2.8)	-	-	3.7	-	-	-	ND (3.3)	-	-	5.1	-	-	-	-	-	ND (3.3)	-	-	-	6.9
Barium	1000	NA	65	-	-	-	70	-	-	290	-	-	-	66	-	-	370	-	-	-	-	-	310	-	-	-	280
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	-	ND (0.44)	-	-	-	-	-	ND (0.33)	-	-	-	ND (0.4)
Cadmium	70	NA	0.55	-	-	-	1.9	-	-	5.2	-	-	-	4.2	-	-	0.79	-	-	-	-	-	24	-	-	-	1.1
Chromium	100	NA	21	-	-	-	24	-	-	34	-	-	-	30	-	-	14	-	-	-	-	-	93	-	-	-	21
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	200	NA	110	-	-	-	**540**	-	-	**2300**	-	-	-	**1700**	-	-	73	-	-	-	-	-	**5300**	-	-	-	**1200**
Mercury	20	NA	0.44	-	-	-	0.51	-	-	0.89	-	-	-	0.34	-	-	0.25	-	-	-	-	-	4.9	-	-	-	2.4
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	29	-	-	19	-	-	-	-	-	140	-	-	-	11
Selenium	400	NA	ND (5.4)	-	-	-	ND (5.6)	-	-	ND (5.4)	-	-	-	ND (5.5)	-	-	ND (7.3)	-	-	-	-	-	8.3	-	-	-	7.2
Silver	100	NA	ND (0.54)	-	-	-	ND (0.56)	-	-	ND (0.54)	-	-	-	ND (1.1)	-	-	ND (1.5)	-	-	-	-	-	ND (1.1)	-	-	-	ND (1.3)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	ND (7.3)	-	-	-	-	-	**8.3**	-	-	-	ND (6.7)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	62	-	-	37	-	-	-	-	-	170	-	-	-	23
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	440	-	-	86	-	-	-	-	-	**2500**	-	-	-	370
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.55	-	-	-	1.9	-	-	0.13	-	-	-	6	-	-	-	-	-	-	-	-	120	-	-	-	2.7
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	**ND (2.2)**	ND (0.11)	-	ND (0.55)	ND (0.11)	ND (0.56)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	**ND (10)**	**ND (10)**	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	**ND (2.2)**	ND (0.11)	-	ND (0.55)	ND (0.11)	ND (0.56)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	**ND (10)**	**ND (10)**	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	**ND (2.2)**	ND (0.11)	-	ND (0.55)	ND (0.11)	ND (0.56)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	**ND (10)**	**ND (10)**	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	**ND (2.2)**	ND (0.11)	-	**3.8**	ND (0.11)	**4.1**	-	ND (0.04)	0.26	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	**ND (10)**	**ND (10)**	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.1)	**1.7**	0.4	-	**10**	ND (0.11)	-	**2.9**	0.16	ND (0.56)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	**ND (10)**	**ND (10)**	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.1)	0.53	0.18	-	**16**	0.41	-	0.68	0.27	**3.5**	-	0.049	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**440**	**130**	**160**	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	**15**	ND (0.11)	-	ND (0.55)	0.35	**1.8**	-	ND (0.04)	0.25	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**260**	**110**	**110**	0.053	0.27
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-	ND (0.55)	ND (0.11)	ND (0.56)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-	ND (0.55)	ND (0.11)	ND (0.56)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	-	ND	**2.23**	0.58	-	**41**	0.41	-	**7.38**	0.78	**9.4**	-	0.049	0.51	ND	ND	ND	ND	ND	ND	**700**	**240**	**270**	0.053	0.27
Other																											
Percent Solids, vol. (%wt)	NA	NA	89.8	95.3	86.5	94.6	88.3	88.6	86.1	91.6	87.6	90.9	86.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	ND (3.9)	-	-	-	ND (3.9)	-	-	ND (3.9)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	-	-	-	ND (20)	-	-	ND (19)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	82	-	-	-	86	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	NI	-	-	-	NI	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	9.8	-	-	-	8.4	-	-	10	-	-	-	9.3	-	-	-	-	-	-	-	-	6.9	-	-	-	6.7
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	2.2	-	-	-	ND (1.8)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	2.4	-	-	-	ND (1.8)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	2.7	-	-	-	ND (1.8)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	ND (1.8)	-	-	-	ND (1.8)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	3.7	-	-	-	ND (1.8)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E14	E14	E14	E14	E14	E14	E14A	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E16	E16	E17	E17	E17	E18	E18	E21
Sample Name			E14_S4_14-16	E14_S6_16-18	E14_S7_18-20	E14_S8_20-22	E14_S9_22-24	E14_S10_24-26	E14A_S1_7.0-14.1	E15_S2_7.5-9.5	E15_S4_7.5-11.5	E15_S3_9.5-11.5	E15_S5_11.5-13.5	E15_S7_11.5-16.5	E15_S6_16-17.5	E15_S10_16.5-21.5	E15_S8_17.5-19.5	E15_S9_19.5-21.5	E15_S11_21.5-23.5	E16_S1_5.1-9.4	E16_S2_5.5-7.5	E17_S1_4.3-9.0	E17_S2_4.3-5.0	E17_S3_5.0-7.0	E18_S1_10-15	E18_S2_15-20	E21_S1_4.5-5.5
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/26/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/23/2015	01/23/2015	02/10/2015	02/10/2015	02/10/2015	01/07/2011	01/07/2011	02/10/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-34	133708-35	133708-36	133708-37	133708-38	133708-39	15B0851-01 15B0851-01RE1 15B0851-01RE2 15C0185-01	139069-8	139069-16 139069-19 139069-22	139069-9	139069-10	139069-17 139069-20 139069-23	139069-11	139069-18 139069-21 139069-24 139188-1 139188-2	139069-12	139069-13	139069-14	15A0790-01 15A0790-01RE1	15A0790-02	15B0322-01 15B0449-01	15B0322-02	15B0322-03	139039-18 139039-21 139039-22 139039-25 139189-3	139189-5	15B0321-01
Sample Depth (bgs)			14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 14.1 (ft)	7.5 - 9.5 (ft)	7.5 - 11.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	11.5 - 16.5 (ft)	16 - 17.5 (ft)	16.5 - 21.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	5.1 - 9.4 (ft)	5.5 - 7.5 (ft)	4.3 - 9 (ft)	4.3 - 5 (ft)	5 - 7 (ft)	10 - 15 (ft)	15 - 20 (ft)	4.5 - 5.5 (ft)
Sample Elevation (ft BCB)			7.4 to 5.4	5.4 to 3.4	3.4 to 1.4	1.4 to -0.6	-0.6 to -2.6	-2.6 to -4.6	14.5 to 7.4	14 to 12	14 to 10	12 to 10	10 to 8	10 to 5	5.5 to 4	5 to 0	4 to 2	2 to 0	0 to -2	16.4 to 12.1	16 to 14	16.7 to 12	16.7 to 16	16 to 14	11 to 6	6 to 1	16 to 15
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.0028)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	ND (0.0028)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	-	-	-	-	-	ND (0.011)	ND (0.015)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Acetone	6	NA	-	-	-	-	-	-	ND (0.071)	-	ND (0.25)	-	-	ND (0.2)	-	ND (2.8)	-	-	-	ND (0.074)	-	ND (0.067)	-	-	ND (0.44)	ND (0.58)	-
Benzene	2	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	ND (0.0028)	-	ND (0.006)	-	-	ND (0.005)	-	**ND (0.28)**	-	-	-	ND (0.0029)	-	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	ND (0.0028)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	ND (0.0028)	-	ND (0.006)	-	-	ND (0.005)	-	**ND (0.28)**	-	-	-	ND (0.0029)	-	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	ND (0.0071)	-	ND (0.062)	-	-	ND (0.05)	-	**ND (1.1)**	-	-	-	ND (0.074)	-	ND (0.0067)	-	-	**ND (0.11)**	**ND (0.15)**	-
Naphthalene	4	NA	-	-	-	-	-	-	ND (0.0071)	-	ND (0.006)	-	-	ND (0.005)	-	**10**	-	-	-	ND (0.074)	-	ND (0.0067)	-	-	ND (0.011)	ND (0.015)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
o-Xylene	NA	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Styrene	3	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Toluene	30	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	ND (0.0014)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	ND	-	ND	-	-	ND	-	10	-	-	-	ND	-	ND	-	-	ND	ND	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	0.98	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	0.47	-	ND (0.34)	-	-	ND (0.36)	-	**28**	-	-	-	ND (0.18)	-	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-
2-Methylphenol	500	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Acenaphthene	4	NA	-	-	-	-	-	-	0.7	-	ND (0.34)	-	-	ND (0.36)	-	**35**	-	-	-	ND (0.18)	-	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-
Acenaphthylene	1	NA	-	-	-	-	-	-	ND (0.2)	-	ND (0.34)	-	-	ND (0.36)	-	**5.9**	-	-	-	ND (0.18)	-	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-
Acetophenone	NA	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Aniline	NA	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Anthracene	1000	NA	-	-	-	-	-	-	1.6	-	ND (0.34)	-	-	ND (0.36)	-	29	-	-	-	0.4	-	0.58	-	-	ND (0.4)	ND (0.59)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	3.3	-	ND (0.34)	-	-	ND (0.36)	-	**27**	-	-	-	0.93	-	1.7	-	-	0.81	ND (0.59)	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	**3**	-	ND (0.34)	-	-	ND (0.36)	-	**23**	-	-	-	0.79	-	1.4	-	-	0.92	ND (0.59)	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	4.5	-	ND (0.34)	-	-	ND (0.36)	-	**25**	-	-	-	0.94	-	1.6	-	-	1.1	ND (0.59)	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	1.2	-	ND (0.34)	-	-	ND (0.36)	-	9	-	-	-	0.52	-	0.72	-	-	0.56	ND (0.59)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	1.8	-	ND (0.34)	-	-	ND (0.36)	-	8.5	-	-	-	0.45	-	0.68	-	-	ND (0.4)	ND (0.59)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	58	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	0.6	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.36)	-	14	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.59)	-
Chrysene	70	NA	-	-	-	-	-	-	3.2	-	ND (0.34)	-	-	ND (0.36)	-	23	-	-	-	0.9	-	1.5	-	-	0.78	ND (0.59)	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	0.38	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.18)	-	0.23	-	-	ND (0.4)	ND (0.59)	-
Dibenzofuran	100	NA	-	-	-	-	-	-	0.53	-	ND (0.34)	-	-	ND (0.36)	-	25	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	ND (0.78)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.71)	-	ND (0.73)	-	-	ND (0.4)	ND (0.59)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	6.8	-	ND (0.34)	-	-	0.55	-	64	-	-	-	1.8	-	2.7	-	-	1.2	1.1	-
Fluorene	1000	NA	-	-	-	-	-	-	0.77	-	ND (0.34)	-	-	ND (0.36)	-	32	-	-	-	ND (0.18)	-	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	1.5	-	ND (0.34)	-	-	ND (0.36)	-	**11**	-	-	-	0.51	-	0.8	-	-	0.57	ND (0.59)	-
Isophorone	100	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Naphthalene	4	NA	-	-	-	-	-	-	0.87	-	ND (0.34)	-	-	ND (0.36)	-	**51**	-	-	-	0.3	-	0.22	-	-	ND (0.4)	ND (0.59)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.59)	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	ND (0.4)	-	ND (1.4)	-	-	ND (1.4)	-	**ND (9.4)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (1.6)	ND (2.3)	-
Phenanthrene	10	NA	-	-	-	-	-	-	6.7	-	ND (0.34)	-	-	0.48	-	**93**	-	-	-	1.3	-	1.8	-	-	1	1.1	-
Phenol	1	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.34)	-	-	ND (0.36)	-	**ND (4.6)**	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-
Pyrene	1000	NA	-	-	-	-	-	-	6.7	-	ND (0.34)	-	-	0.45	-	57	-	-	-	1.9	-	2.7	-	-	0.97	0.93	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	103	-	ND	-	-	1.48	-	560.4	-	-	-	10.74	-	16.63	-	-	7.91	3.73	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E14	E14	E14	E14	E14	E14	E14A	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E16	E16	E17	E17	E17	E18	E18	E21
Sample Name			E14_S4_14-16	E14_S6_16-18	E14_S7_18-20	E14_S8_20-22	E14_S9_22-24	E14_S10_24-26	E14A_S1_7.0-14.1	E15_S2_7.5-9.5	E15_S4_7.5-11.5	E15_S3_9.5-11.5	E15_S5_11.5-13.5	E15_S7_11.5-16.5	E15_S6_16-17.5	E15_S10_16.5-21.5	E15_S8_17.5-19.5	E15_S9_19.5-21.5	E15_S11_21.5-23.5	E16_S1_5.1-9.4	E16_S2_5.5-7.5	E17_S1_4.3-9.0	E17_S2_4.3-5.0	E17_S3_5.0-7.0	E18_S1_10-15	E18_S2_15-20	E21_S1_4.5-5.5
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/26/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/23/2015	01/23/2015	02/10/2015	02/10/2015	02/10/2015	01/07/2011	01/07/2011	02/10/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-34	133708-35	133708-36	133708-37	133708-38	133708-39	15B0851-01 15B0851-01RE1 15B0851-01RE2 15C0185-01	139069-8	139069-16 139069-19 139069-22	139069-9	139069-10	139069-17 139069-20 139069-23	139069-11	139069-18 139069-21 139069-24 139188-1 139188-2	139069-12	139069-13	139069-14	15A0790-01 15A0790-01RE1	15A0790-02	15B0322-01 15B0449-01	15B0322-02	15B0322-03	139039-18 139039-21 139039-24 139189-3	139039-19 139039-22 139039-25 139189-5	15B0321-01
Sample Depth (bgs)			14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 14.1 (ft)	7.5 - 9.5 (ft)	7.5 - 11.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	11.5 - 16.5 (ft)	16 - 17.5 (ft)	16.5 - 21.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	5.1 - 9.4 (ft)	5.5 - 7.5 (ft)	4.3 - 9 (ft)	4.3 - 5 (ft)	5 - 7 (ft)	10 - 15 (ft)	15 - 20 (ft)	4.5 - 5.5 (ft)
Sample Elevation (ft BCB)			7.4 to 5.4	5.4 to 3.4	3.4 to 1.4	1.4 to -0.6	-0.6 to -2.6	-2.6 to -4.6	14.5 to 7.4	14 to 12	14 to 10	12 to 10	10 to 8	10 to 5	5.5 to 4	5 to 0	4 to 2	2 to 0	0 to -2	16.4 to 12.1	16 to 14	16.7 to 12	16.7 to 16	16 to 14	11 to 6	6 to 1	16 to 15
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	1700	-	-	-	-	-	-	-	-	-	-	440	-	970	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	ND (20)	-	-	31	-	460	-	-	-	-	-	-	-	-	68	68	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (20)	-	-	38	-	680	-	-	-	-	-	-	-	-	83	74	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	28	-	-	28	-	73	-	-	-	-	-	-	-	-	62	83	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (22)	-	32	-	-	-	-	-	-	-	-	ND (24)	ND (35)	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	2.9	-	-	2.9	-	6.7	-	-	-	-	-	-	-	-	5.2	9.1	-
Arsenic	20	NA	-	-	-	-	-	-	3.3	-	ND (3.1)	-	-	ND (3.4)	-	11	-	-	-	5.4	-	4	-	-	4.3	**21**	-
Barium	1000	NA	-	-	-	-	-	-	370	-	58	-	-	90	-	330	-	-	-	73	-	210	-	-	210	250	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.31)	-	-	ND (0.34)	-	ND (0.44)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.54)	-
Cadmium	70	NA	-	-	-	-	-	-	11	-	0.86	-	-	0.81	-	1.6	-	-	-	0.69	-	0.6	-	-	ND (0.62)	17	-
Chromium	100	NA	-	-	-	-	-	-	78	-	19	-	-	24	-	43	-	-	-	33	-	21	-	-	8.8	14	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	**17000**	-	9.6	-	-	69	-	**510**	-	-	-	60	-	**420**	-	-	**3000**	**500**	-
Mercury	20	NA	-	-	-	-	-	-	3.6	-	0.099	-	-	0.69	-	3.5	-	-	-	0.24	-	0.34	-	-	8.3	11	-
Nickel	600	NA	-	-	-	-	-	-	-	-	10	-	-	11	-	26	-	-	-	-	-	-	-	-	7.4	27	-
Selenium	400	NA	-	-	-	-	-	-	ND (5.8)	-	ND (5.2)	-	-	ND (5.7)	-	ND (7.3)	-	-	-	ND (5)	-	ND (5.3)	-	-	ND (6.2)	ND (9)	-
Silver	100	NA	-	-	-	-	-	-	ND (0.58)	-	ND (1)	-	-	ND (1.1)	-	ND (1.5)	-	-	-	ND (0.5)	-	ND (0.53)	-	-	ND (1.2)	4.6	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (5.2)	-	-	ND (5.7)	-	ND (7.3)	-	-	-	-	-	-	-	-	ND (6.2)	**ND (9)**	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	37	-	-	35	-	59	-	-	-	-	-	-	-	-	17	33	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	68	-	-	76	-	280	-	-	-	-	-	-	-	-	130	**5300**	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	8.7	-	-	-	-	-	-	10	-	-	-	-	-	0.21	-	-	630	51	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	ND (0.0002)	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	0.44	-	ND (0.13)	ND (0.12)	-	-	0.2
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	0.046	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	0.3	-	0.17	ND (0.12)	-	-	0.13
Aroclor-1260 (PCB-1260)	1	NA	0.088	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	0.13	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)
SUM of PCBs	1	NA	0.088	ND	ND	ND	ND	ND	-	ND	-	0.046	ND	-	ND	-	ND	ND	ND	-	0.87	-	0.17	ND	-	-	0.33
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	85.2	-	-	-	-	-	-	-	-	-	-	94.1	88.5	92.2	78.6	85.5	-	-	86.3
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	165 >	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (4)	-	ND (50)	-	-	ND (50)	-	ND (50)	-	-	-	ND (4)	-	ND (4)	-	-	ND (50)	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (20)	-	ND (100)	-	-	ND (100)	-	ND (100)	-	-	-	ND (20)	-	ND (20)	-	-	ND (100)	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	100	-	-	-	-	-	-	420	-	-	-	93	-	79	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	10	-	7.1	-	-	7.1	-	7.3	-	-	-	9.3	-	11	-	-	7.4	7.1	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	ND (3.1)	-	-	-	-	-	-	-	-	ND (1.8)	ND (3.4)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	ND (3.1)	-	-	-	-	-	-	-	-	ND (1.8)	ND (3.4)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	7.1	-	-	-	-	-	-	-	-	ND (1.8)	ND (3.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	ND (3.1)	-	-	-	-	-	-	-	-	ND (1.8)	ND (3.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	9.5	-	-	-	-	-	-	-	-	ND (1.8)	ND (3.4)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E21	E22	E22	F3	F3	F3	F3	F4	F4	F4	F4	F4	F5	F5	F5	F5	F6	F6	F6	F6	F7	F7	F7	F7	F7	F7	F7
Sample Name			E21_S1_7.0-8.5	E22_S1_0.3-8.3	E22_S3_4.3-6.3	F3_S1_0-1.4	F3_S2_1.4-3.4	F3_S3_3.4-5.4	F3-S4_5.4-7.4	F4_S1_0.9-1.9	F4_S2_1.9-3.9	F4_S3_3.9-5.9	F4_S4_5.9-7.9	F5_S1_1.2-2.2	F5_S2_2.2-4.2	F5_S3_4.2-6.2	F5_S4_6.2-8.2	F6_S1_1.1-2.1	F6_S2_2.1-4.1	F6_S3_4.1-6.1	F6_S4_6.1-8.1	F7_S2_4.4-6.4	F7_S6_4.4-14.4	F7_S3_6.4-8.4	F7_S4_8.4-10.4	F7_S5_10.4-12.4	F7_S7_12.4-14.4	F7_S8_14.4-16.4	F7_S9_16.4-18.4
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	02/26/2015	02/10/2015	02/10/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID			15B0853-01	15B0316-01	15B0316-03	15K0898-14	15K0898-15	15K0898-16	15K0898-17	15K0894-05	15K0894-06	15K0894-07	15K0894-08	15L0041-13	15L0041-14	15L0041-15	15L0041-16	15K1344-13	15K1344-14	15K1344-15	15K1344-16	133708-23	133708-55 133708-60 133708-68	133708-24	133708-25	133708-26	133708-27	133708-28	133708-29
Sample Depth (bgs)			7 - 8.5 (ft)	0.3 - 8.3 (ft)	4.3 - 6.3 (ft)	0.1 - 1.4 (ft)	1.4 - 2.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)
Sample Elevation (ft BCB)			13.5 to 12	20 to 12	16 to 14	17.3 to 16	16 to 15	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.067)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.0067)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.0067)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	**ND (0.74)**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	**ND (0.74)**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	**ND (0.74)**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Anthracene	1000	NA	-	0.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Chrysene	70	NA	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Fluoranthene	1000	NA	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	0.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Phenanthrene	10	NA	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
Pyrene	1000	NA	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	18.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			E21	E22	E22	F3	F3	F3	F3	F4	F4	F4	F4	F5	F5	F5	F5	F6	F6	F6	F6	F7	F7	F7	F7	F7	F7	F7	F7
Sample Name			E21_S1_7.0-8.5	E22_S1_0.3-8.3	E22_S3_4.3-6.3	F3_S1_0-1.4	F3_S2_1.4-3.4	F3_S3_3.4-5.4	F3-S4_5.4-7.4	F4_S1_0.9-1.9	F4_S2_1.9-3.9	F4_S3_3.9-5.9	F4_S4_5.9-7.9	F5_S1_1.2-2.2	F5_S2_2.2-4.2	F5_S3_4.2-6.2	F5_S4_6.2-8.2	F6_S1_1.1-2.1	F6_S2_2.1-4.1	F6_S3_4.1-6.1	F6_S4_6.1-8.1	F7_S2_4.4-6.4	F7_S6_4.4-14.4	F7_S3_6.4-8.4	F7_S4_8.4-10.4	F7_S5_10.4-12.4	F7_S7_12.4-14.4	F7_S8_14.4-16.4	F7_S9_16.4-18.4
Sample Date			02/26/2015	02/10/2015	02/10/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																											
Lab Sample ID			15B0853-01	15B0316-01	15B0316-03	15K0898-14	15K0898-15	15K0898-16	15K0898-17	15K0894-05	15K0894-06	15K0894-07	15K0894-08	15L0041-13	15L0041-14	15L0041-15	15L0041-16	15K1344-13	15K1344-14	15K1344-15	15K1344-16	133708-23	133708-55 133708-60 133708-68	133708-24	133708-25	133708-26	133708-27	133708-28	133708-29
Sample Depth (bgs)			7 - 8.5 (ft)	0.3 - 8.3 (ft)	4.3 - 6.3 (ft)	0.1 - 1.4 (ft)	1.4 - 2.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)
Sample Elevation (ft BCB)			13.5 to 12	20 to 12	16 to 14	17.3 to 16	16 to 15	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-
Arsenic	20	NA	-	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.5)	-	-	-	-	-	-
Barium	1000	NA	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-
Cadmium	70	NA	-	0.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.59)	-	-	-	-	-	-
Chromium	100	NA	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	-	-	-	-	-
Mercury	20	NA	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.87	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
Selenium	400	NA	-	ND (6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-
Silver	100	NA	-	ND (0.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	ND (0.12)	-	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)	ND (0.11)	ND (0.1)	**ND (1.1)**	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.12)	-	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)	ND (0.11)	ND (0.1)	**ND (1.1)**	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.12)	-	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)	ND (0.11)	ND (0.1)	**ND (1.1)**	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.12)	-	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)	ND (0.11)	ND (0.1)	**ND (1.1)**	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.04)	-	0.044	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.12)	-	0.12	0.41	ND (0.12)	ND (0.11)	ND (0.13)	0.66	**1.1**	ND (0.11)	ND (0.1)	**7.9**	**2.6**	0.36	ND (0.11)	**2.2**	**2.7**	ND (0.11)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.12)	-	0.15	**1.1**	0.16	0.17	ND (0.13)	0.31	**1.2**	ND (0.11)	ND (0.1)	**2**	**1**	0.44	ND (0.11)	**2.4**	0.94	0.18	ND (0.12)	0.055	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.047	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.12)	-	ND (0.11)	0.43	ND (0.12)	0.14	ND (0.13)	0.15	0.43	ND (0.11)	ND (0.1)	**ND (1.1)**	ND (0.58)	0.36	ND (0.11)	**4.3**	ND (0.57)	0.48	ND (0.12)	0.053	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.049	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.12)	-	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.12)	-	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	ND	-	0.27	**1.94**	0.16	0.31	ND	**1.12**	**2.73**	ND	ND	**9.9**	**3.6**	**1.16**	ND	**8.9**	**3.64**	0.66	ND	0.108	-	0.044	ND	ND	ND	0.096	ND
Other																													
Percent Solids, vol. (%wt)	NA	NA	84.1	90.7	90.6	93.9	84.5	90.1	76.9	86.1	87	87.7	95.6	89	84.8	93.4	86.5	84.4	86.9	88.1	81.5	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			F7	F7	F7	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F9	F9	F9	F9	F10	F10	F10	F10	F11	F11	F11
Sample Name			F7_S10_18.4-20.4	F7_S11_20.4-22.4	F7_S12_22.4-24.4	F8_S2_4.0-6.0	F8_S5_4.0-10.0	F8_S3_6.0-8.0	F8_S4_8.0-10.0	F8_S6_10.0-12.0	F8_S7_12.0-14.0	F8_S8_14.0-16.0	F8_S9_16.0-18.0	F8_S10_18.0-20.0	F8_S11_20.0-22.0	F8_S12_22.0-24.0	F9_S2_6.3-7.3	F9_S3_7.3-7.9	F9_S4_9.3-11.3	F9_S5_11.3-13.3	F10_S1_5.9-9.4	F10_S2_5.9-7.4	F10_S3_7.4-9.4	F10_S4_9.4-11.4	F11_S2_7.6-9.6	F11_S7_7.6-17.6	F11_S3_9.6-11
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	02/11/2015	02/11/2015	02/11/2015	02/11/2015	01/06/2011	01/06/2011	01/06/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-30	133708-31	133708-32	134316-11	134316-34 134316-41 134316-48 134476-1	134316-12	134316-13	134316-14	134316-1	134316-2	134316-3	134316-4	134316-5	134316-6	138629-2	138629-3 138629-3RA1	138629-4	138629-5 138629-5RA1	15B0363-01	15B0363-02	15B0761-01	15B0761-02	139017-16	139017-33 139017-36 139017-40	139017-17
Sample Depth (bgs)			18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	4 - 6 (ft)	4 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	6.3 - 7.3 (ft)	7.3 - 7.9 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	5.9 - 9.4 (ft)	5.9 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	7.6 - 9.6 (ft)	7.6 - 17.6 (ft)	9.6 - 11 (ft)
Sample Elevation (ft BCB)			0 to -2	-2 to -4	-4 to -6	14.9 to 12.9	14.9 to 8.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	15 to 14	14 to 13.4	12 to 10	10 to 8	15.5 to 12	15.5 to 14	14 to 12	12 to 10	14 to 12	14 to 4	12 to 10.6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0052)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0028	-	-	-	-	ND (0.0052)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0024	-	-	-	-	ND (0.0052)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0052)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Acetone	6	NA	-	-	-	-	ND (0.28)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.079)	-	-	-	-	ND (0.21)	-
Benzene	2	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Chlorobenzene	1	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0052)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Ethylbenzene	40	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Isopropylbenzene	1000	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
m,p-Xylenes	NA	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0052)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0052)	-
Methylene chloride	0.1	NA	-	-	-	-	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0079)	-	-	-	-	ND (0.052)	-
Naphthalene	4	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.038	-	-	-	-	ND (0.0052)	-
n-Propylbenzene	100	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
o-Xylene	NA	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Styrene	3	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Tetrachloroethene	1	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Toluene	30	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
Trichloroethene	0.3	NA	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0052)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0432	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	-	-	-	-	ND (0.37)	-
2-Methylphenol	500	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
3&4-Methylphenol	NA	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Acenaphthene	4	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	ND (0.37)	-
Acenaphthylene	1	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	-	-	-	-	ND (0.37)	-
Acetophenone	NA	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Aniline	NA	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Anthracene	1000	NA	-	-	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	-	-	-	-	0.68	-
Benzo(a)anthracene	7	NA	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-
Benzo(a)pyrene	2	NA	-	-	-	-	**2.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77	-	-	-	-	**3.4**	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	4.3	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	2	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	-	-	-	-	1.6	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	ND (0.37)	-
Butyl benzylphthalate	100	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Carbazole	NA	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Chrysene	70	NA	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	3.2	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	-	0.61	-
Dibenzofuran	100	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.87	-	-	-	-	ND (0.37)	-
Diethyl phthalate	10	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Di-n-butylphthalate	50	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.7)	-	-	-	-	ND (0.37)	-
Fluoranthene	1000	NA	-	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	3.8	-
Fluorene	1000	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	-	-	-	-	ND (0.37)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	2.2	-
Isophorone	100	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Naphthalene	4	NA	-	-	-	-	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-	-	-	ND (0.37)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Pentachlorophenol	3	NA	-	-	-	-	ND (0.72)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (1.5)	-
Phenanthrene	10	NA	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	2.1	-
Phenol	1	NA	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	ND (0.37)	-
Pyrene	1000	NA	-	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	4.3	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	26.33	-	-	-	-	-	-	-	-	-	-	-	-	-	17.79	-	-	-	-	31.19	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			F7	F7	F7	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F9	F9	F9	F9	F10	F10	F10	F10	F11	F11	F11
Sample Name			F7_S10_18.4-20.4	F7_S11_20.4-22.4	F7_S12_22.4-24.4	F8_S2_4.0-6.0	F8_S5_4.0-10.0	F8_S3_6.0-8.0	F8_S4_8.0-10.0	F8_S6_10.0-12.0	F8_S7_12.0-14.0	F8_S8_14.0-16.0	F8_S9_16.0-18.0	F8_S10_18.0-20.0	F8_S11_20.0-22.0	F8_S12_22.0-24.0	F9_S2_6.3-7.3	F9_S3_7.3-7.9	F9_S4_9.3-11.3	F9_S5_11.3-13.3	F10_S1_5.9-9.4	F10_S2_5.9-7.4	F10_S3_7.4-9.4	F10_S4_9.4-11.4	F11_S2_7.6-9.6	F11_S7_7.6-17.6	F11_S3_9.6-11
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	02/11/2015	02/11/2015	02/11/2015	02/11/2015	01/06/2011	01/06/2011	01/06/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-30	133708-31	133708-32	134316-11	134316-34 134316-41 134316-48 134476-1	134316-12	134316-13	134316-14	134316-1	134316-2	134316-3	134316-4	134316-5	134316-6	138629-2	138629-3 138629-3RA1	138629-4	138629-5 138629-5RA1	15B0363-01	15B0363-02	15B0761-01	15B0761-02	139017-16	139017-33 139017-36 139017-40	139017-17
Sample Depth (bgs)			18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	4 - 6 (ft)	4 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	6.3 - 7.3 (ft)	7.3 - 7.9 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	5.9 - 9.4 (ft)	5.9 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	7.6 - 9.6 (ft)	7.6 - 17.6 (ft)	9.6 - 11 (ft)
Sample Elevation (ft BCB)			0 to -2	-2 to -4	-4 to -6	14.9 to 12.9	14.9 to 8.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	15 to 14	14 to 13.4	12 to 10	10 to 8	15.5 to 12	15.5 to 14	14 to 12	12 to 10	14 to 12	14 to 4	12 to 10.6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	350	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	ND (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-
Arsenic	20	NA	-	-	-	-	ND (3.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.7)	-	-	-	-	ND (3.5)	-
Barium	1000	NA	-	-	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	15	-
Beryllium	90	NA	-	-	-	-	ND (0.31)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Cadmium	70	NA	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31	-	-	-	-	ND (0.58)	-
Chromium	100	NA	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-	-	-	-	6.3	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	**320**	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	13	-
Mercury	20	NA	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31	-	-	-	-	0.38	-
Nickel	600	NA	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-
Selenium	400	NA	-	-	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	-	-	ND (5.8)	-
Silver	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.55)	-	-	-	-	ND (1.2)	-
Thallium	8	NA	-	-	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-
Vanadium	400	NA	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
Zinc	1000	NA	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	**ND (2.2)**	ND (0.048)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.041)	-	**ND (4.4)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	**ND (2.2)**	ND (0.048)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.041)	-	**ND (4.4)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	**ND (2.2)**	ND (0.048)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.041)	-	**ND (4.4)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	**ND (2.2)**	ND (0.048)	-	0.13	ND (0.11)	ND (0.1)	ND (0.041)	-	**ND (4.4)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	0.93	**ND (2.2)**	ND (0.048)	-	ND (0.1)	0.11	ND (0.1)	ND (0.041)	-	**ND (4.4)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	**6.4**	0.47	0.062	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	**12**	**1.3**	-	0.14	0.18	ND (0.1)	ND (0.041)	-	**21**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	**5.4**	0.36	0.056	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	0.19	**7.6**	0.74	-	0.25	0.18	ND (0.1)	ND (0.041)	-	**15**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.041)	-	ND (4.4)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.041)	-	ND (4.4)
SUM of PCBs	1	NA	ND	ND	ND	**11.8**	0.83	0.118	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.12**	**19.6**	**2.04**	-	0.52	0.47	ND	ND	-	**36**
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95.5	93.8	91.6	96.4	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	7.5	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			F11	F11	F11	F11	F11	F11	F11	F11	F12	F12	F12	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F14	F14	F14
Sample Name			F11_S4_11.6-13.6	F11_S5_13.6-15.6	F11_S6_15.6-17.6	F11_S8_17.6-19.6	F11_S9_19.6-21.6	F11_S10_21.6-23.6	F11_S11_23.6-25.6	F11_S12_25.6-27.6	F12_S1_8.8-9.7	F12_S2_8.8-9.7	F12_S3_9.7-11.7	F13_S2_8.8-9.8	F13_S5_8.8-13.8	F13_S3_9.8-11.8	F13_S4_11.8-13.8	F13_S6_13.8-15.8	F13_S9_13.8-18.8	X13_S6_13.8-15.8	F13_S7_15.8-17.8	F13_S8_17.8-19.8	X11_S8_17.6-19.6	F14_S2_7.7-9.7	F14_S3_7.7-12.7	F14_S3_9.7-11.7
Sample Date			01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	02/23/2015	02/23/2015	02/23/2015	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/06/2011	01/07/2011	01/07/2011	01/07/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria													138765-20 138765-24 138765-26	138765-3			138765-23 138765-25 138765-27					139039-15 139039-20 139039-23 139189-1		
Lab Sample ID			139017-18	139017-19	139017-20	139017-21	139017-22	139017-23	139017-8	139017-9	15B0742-01	15C0075-01	15C0075-02	138765-2	138973-1	138765-3RA1	138765-4	138765-5	138973-2	138765-8	138765-6	138765-7	139017-10	139039-2	139189-7	139039-3
Sample Depth (bgs)			11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	25.6 - 27.6 (ft)	8.8 - 9.7 (ft)	8.8 - 9.7 (ft)	9.7 - 11.7 (ft)	8.8 - 9.8 (ft)	8.8 - 13.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	13.8 - 18.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	17.6 - 19.6 (ft)	7.7 - 9.7 (ft)	7.7 - 12.7 (ft)	9.7 - 11.7 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	12.9 to 12	12.9 to 12	12 to 10	13 to 12	13 to 8	12 to 10	10 to 8	8 to 6	8 to 3	8 to 6	6 to 4	4 to 2	4.2 to 2.2	14 to 12	14 to 9	12 to 10
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.057)	-	-	-	ND (0.2)	-	-	-	ND (0.24)	-	-	-	-	-	ND (0.29)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.0057)	-	-	-	ND (0.05)	-	-	-	ND (0.061)	-	-	-	-	-	ND (0.073)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.0057)	-	-	-	0.011	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0073)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	-	-	-	0.011	-	-	-	ND	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	**ND (2.1)**	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	**ND (2.1)**	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	**ND (2.1)**	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	**ND (2.1)**	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	ND (0.35)	-	-	-	0.59	-	-	-	-	-	**ND (2.1)**	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	0.84	-	-	-	0.99	-	-	-	-	-	ND (2.1)	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	ND (0.35)	-	-	-	0.69	-	-	-	-	-	**ND (2.1)**	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	0.28	-	-	-	1.7	-	-	-	2.6	-	-	-	-	-	ND (2.1)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	0.49	-	-	-	2.3	-	-	-	**8**	-	-	-	-	-	3.2	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	0.44	-	-	-	1.7	-	-	-	**8.3**	-	-	-	-	-	**3**	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	0.56	-	-	-	2.1	-	-	-	**11**	-	-	-	-	-	4.2	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	0.24	-	-	-	0.66	-	-	-	1.5	-	-	-	-	-	ND (2.1)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	0.24	-	-	-	0.85	-	-	-	4.1	-	-	-	-	-	ND (2.1)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	0.42	-	-	-	3.6	-	-	-	ND (0.46)	-	-	-	-	-	2.6	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	1.2	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.98	-	-	-	1.1	-	-	-	-	-	ND (2.1)	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	0.49	-	-	-	2.2	-	-	-	8.5	-	-	-	-	-	3	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	ND (0.35)	-	-	-	0.69	-	-	-	-	-	**ND (2.1)**	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	0.65	-	-	-	1.2	-	-	-	-	-	ND (2.1)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	1.2	-	-	-	5.2	-	-	-	11	-	-	-	-	-	5.8	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	0.94	-	-	-	1.1	-	-	-	-	-	ND (2.1)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	0.32	-	-	-	0.79	-	-	-	2.4	-	-	-	-	-	ND (2.1)	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	0.71	-	-	-	1.6	-	-	-	-	-	ND (2.1)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	ND (2.1)	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	**ND (8.2)**	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	1.1	-	-	-	5.8	-	-	-	8.3	-	-	-	-	-	4.8	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-	-	-	**ND (2.1)**	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	1.1	-	-	-	4.3	-	-	-	10	-	-	-	-	-	4.7	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	6.88	-	-	-	36.52	-	-	-	83.66	-	-	-	-	-	31.3	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			F11	F11	F11	F11	F11	F11	F11	F11	F12	F12	F12	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F14	F14	F14
Sample Name			F11_S4_11.6-13.6	F11_S5_13.6-15.6	F11_S6_15.6-17.6	F11_S8_17.6-19.6	F11_S9_19.6-21.6	F11_S10_21.6-23.6	F11_S11_23.6-25.6	F11_S12_25.6-27.6	F12_S1_8.8-9.7	F12_S2_8.8-9.7	F12_S3_9.7-11.7	F13_S2_8.8-9.8	F13_S3_9.8-11.8	F13_S4_11.8-13.8	F13_S6_13.8-15.8	F13_S9_13.8-18.8	X13_S6_13.8-15.8	F13_S7_15.8-17.8	F13_S8_17.8-19.8	X11_S8_17.6-19.6	F14_S2_7.7-9.7	F14_S3_7.7-12.7	F14_S3_9.7-11.7
Sample Date			01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	02/23/2015	02/23/2015	02/23/2015	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/06/2011	01/07/2011	01/07/2011	01/07/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139017-18	139017-19	139017-20	139017-21	139017-22	139017-23	139017-8	139017-9	15B0742-01	15C0075-01	15C0075-02	138765-2	138765-3	138765-4	138765-5	138765-23	138765-8	138765-6	138765-7	139017-10	139039-2	139039-15	139039-3
Sample Depth (bgs)			11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	25.6 - 27.6 (ft)	8.8 - 9.7 (ft)	8.8 - 9.7 (ft)	9.7 - 11.7 (ft)	8.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	13.8 - 18.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	17.6 - 19.6 (ft)	7.7 - 9.7 (ft)	7.7 - 12.7 (ft)	9.7 - 11.7 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	12.9 to 12	12.9 to 12	12 to 10	13 to 12	12 to 10	10 to 8	8 to 6	8 to 3	8 to 6	6 to 4	4 to 2	4.2 to 2.2	14 to 12	14 to 9	12 to 10
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	-	140	-	-	-	-	-	700	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	210	-	-	-	-	-	760	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	52	-	-	-	-	-	890	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (21)	-	-	-	ND (27)	-	-	-	-	-	230	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	1.2	-	-	-	-	-	**66**	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	ND (2.8)	-	-	-	ND (3.3)	-	-	-	9.2	-	-	-	-	-	ND (3.8)	-
Barium	1000	NA	-	-	-	-	-	-	-	-	17	-	-	-	63	-	-	-	230	-	-	-	-	-	510	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	-	-	ND (0.34)	-	-	-	-	-	ND (0.38)	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	ND (0.28)	-	-	-	1.6	-	-	-	0.69	-	-	-	-	-	22	-
Chromium	100	NA	-	-	-	-	-	-	-	-	6.6	-	-	-	18	-	-	-	11	-	-	-	-	-	**120**	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	200	NA	-	-	-	-	-	-	-	-	56	-	-	-	**250**	-	-	-	**450**	-	-	-	-	-	**13000**	-
Mercury	20	NA	-	-	-	-	-	-	-	-	0.033	-	-	-	0.46	-	-	-	4	-	-	-	-	-	9	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	14	-	-	-	-	-	160	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	ND (5.5)	-	-	-	ND (5.6)	-	-	-	-	-	ND (6.4)	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (0.56)	-	-	-	ND (1.1)	-	-	-	ND (1.1)	-	-	-	-	-	ND (1.3)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	-	ND (5.6)	-	-	-	-	-	ND (6.4)	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	-	25	-	-	-	-	-	**530**	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	250	-	-	-	-	-	**2500**	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.1)	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	1.3	-	-	-	-	-	120	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	ND (0.0002)	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.046)	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	**ND (48)**	-	**ND (49)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.046)	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	**ND (48)**	-	**ND (49)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.046)	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	**ND (48)**	-	**ND (49)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	0.52	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	**ND (48)**	-	**ND (49)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	**1.3**	0.55	ND (0.046)	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	**ND (48)**	-	**ND (49)**
Aroclor-1254 (PCB-1254)	1	NA	0.21	ND (0.056)	0.11	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	**1.7**	0.98	ND (0.046)	-	**2**	0.29	ND (0.05)	-	0.25	ND (0.052)	ND (0.056)	ND (0.054)	**520**	-	**300**
Aroclor-1260 (PCB-1260)	1	NA	0.2	ND (0.056)	0.069	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	**1.2**	0.87	0.6	-	**1.1**	0.15	ND (0.05)	-	0.14	ND (0.052)	ND (0.056)	ND (0.054)	**200**	-	**170**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.046)	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (48)	-	ND (49)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.046)	-	ND (0.044)	ND (0.049)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (48)	-	ND (49)
SUM of PCBs	1	NA	0.41	ND	0.179	ND	ND	ND	ND	ND	-	**4.2**	**2.4**	**1.12**	-	**3.1**	0.44	ND	-	0.39	ND	ND	ND	**720**	-	**470**
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	90.2	92.3	85.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	ND (50)	-	-	-	ND (50)	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (100)	-	-	-	ND (100)	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-	510	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	9.1	-	-	-	9.2	-	-	-	8.2	-	-	-	-	-	7	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	ND (2.1)	-	-	-	-	-	2	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	ND (2.1)	-	-	-	-	-	2.2	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	ND (2.1)	-	-	-	-	-	2.1	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	ND (2.1)	-	-	-	-	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	2.5	-	-	-	-	-	3.3	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			F14	F14	F14	F14A	F15	F15	G3	G3	G3	G3	G4	G4	G4	G4	G5	G5	G5	G5	G6	G6	G6	G6	G7	G7	G7	G7	G7
Sample Name			F14_S4_11.7-13.7	F14_S5_13.7-15.7	F14_S6_15.7-17.7	F14A_S1_8.0-13.7	F15_S2_16.5-18.5	F15_S3_16.5-18.5	G3_S1_0.6-1.6	G3_S2_1.6-3.6	G3_S3_3.6-5.6	G3_S4_5.6-7.6	G4_S1_0.7-1.7	G4_S2_1.7-3.7	G4_S3_3.7-5.7	G4_S4_5.7-7.7	G5_S1_0.7-1.7	G5_S2_1.7-3.7	G5_S3_3.7-5.7	G5_S4_5.7-7.7	G6_S1_1.2-2.2	G6_S2_2.2-4.2	G6_S3_4.2-6.2	G6_S4_6.2-8.2	G7_S5_4-14	G7_S2_6-8	G7_S3_8-9.7	G7_S6_14-16
Sample Date			01/07/2011	01/07/2011	01/07/2011	02/27/2015	12/23/2010	12/23/2010	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139039-4	139039-5 139039-5RA1	139039-6	15B0900-01 15B0900-01RE1 15C0232-01	138796-6	138796-21 138796-26 138796-31 138974-1	15K0898-01	15K0898-02	15K0898-03	15K0898-04	15K0891-13	15K0891-14	15K0891-15	15K0891-16	15L0052-10	15L0052-11	15L0052-12	15L0052-13	15K1345-05	15K1345-06	15K1345-07	15K1345-08	133736-28 133736-58 133736-68 134154-9	133736-25 133736-25RA1	133736-26	133736-27 133736-27RA1	133736-29
Sample Depth (bgs)			11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	8 - 13.7 (ft)	16.5 - 18.5 (ft)	16.5 - 18.5 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 9.7 (ft)	11 - 14 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	13.7 to 8	5 to 3	5 to 3	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	14 to 4	12 to 10	10 to 8.3	7 to 4	4 to 2
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	RUBBLE FILL	RUBBLE FILL	RUBBLE FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.0031)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.0031)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Acetone	6	NA	-	-	-	ND (0.077)	-	ND (0.27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-
Benzene	2	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.0031)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Ethylbenzene	40	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.0031)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.0031)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	ND (0.0077)	-	ND (0.068)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.0077)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
o-Xylene	NA	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Styrene	3	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Toluene	30	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	ND (0.0015)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	-	-	-	1.5	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	**0.79**	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
2-Methylphenol	500	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	0.76	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Acenaphthene	4	NA	-	-	-	0.92	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Acenaphthylene	1	NA	-	-	-	0.24	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Acetophenone	NA	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Aniline	NA	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Anthracene	1000	NA	-	-	-	1.9	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.81	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	4.7	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	**4.2**	-	**2.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	6.5	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	2.3	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	2.1	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	3.6	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Chrysene	70	NA	-	-	-	5.3	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	**0.75**	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Dibenzofuran	100	NA	-	-	-	0.73	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.8)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	10	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-	-	-
Fluorene	1000	NA	-	-	-	0.92	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	2.6	-	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-
Isophorone	100	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Naphthalene	4	NA	-	-	-	1.4	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	ND (0.4)	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Phenanthrene	10	NA	-	-	-	8.2	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	-	-
Phenol	1	NA	-	-	-	**4**	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-
Pyrene	1000	NA	-	-	-	8.5	-	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	71.91	-	33.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.26	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			F14	F14	F14	F14A	F15	F15	G3	G3	G3	G3	G4	G4	G4	G4	G5	G5	G5	G5	G6	G6	G6	G6	G7	G7	G7	G7	G7
Sample Name			F14_S4_11.7-13.7	F14_S5_13.7-15.7	F14_S6_15.7-17.7	F14A_S1_8.0-13.7	F15_S2_16.5-18.5	F15_S3_16.5-18.5	G3_S1_0.6-1.6	G3_S2_1.6-3.6	G3_S3_3.6-5.6	G3_S4_5.6-7.6	G4_S1_0.7-1.7	G4_S2_1.7-3.7	G4_S3_3.7-5.7	G4_S4_5.7-7.7	G5_S1_0.7-1.7	G5_S2_1.7-3.7	G5_S3_3.7-5.7	G5_S4_5.7-7.7	G6_S1_1.2-2.2	G6_S2_2.2-4.2	G6_S3_4.2-6.2	G6_S4_6.2-8.2	G7_S5_4-14	G7_S2_6-8	G7_S3_8-9.7	G7_S4_11-14	G7_S6_14-16
Sample Date			01/07/2011	01/07/2011	01/07/2011	02/27/2015	12/23/2010	12/23/2010	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139039-4	139039-5 139039-5RA1	139039-6	15B0900-01 15B0900-01RE1 15C0232-01	138796-6	138796-21 138796-26 138796-31 138974-1	15K0898-01	15K0898-02	15K0898-03	15K0898-04	15K0891-13	15K0891-14	15K0891-15	15K0891-16	15L0052-10	15L0052-11	15L0052-12	15L0052-13	15K1345-05	15K1345-06	15K1345-07	15K1345-08	133736-28 133736-58 133736-68 134154-9	133736-25 133736-25RA1	133736-26	133736-27 133736-27RA1	133736-29
Sample Depth (bgs)			11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	8 - 13.7 (ft)	16.5 - 18.5 (ft)	16.5 - 18.5 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 9.7 (ft)	11 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	13.7 to 8	5 to 3	5 to 3	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	14 to 4	12 to 10	10 to 8.3	7 to 4	4 to 2
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	RUBBLE FILL	RUBBLE FILL	RUBBLE FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (35)	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-
Arsenic	20	NA	-	-	-	ND (2.9)	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.5)	-	-	-	-
Barium	1000	NA	-	-	-	510	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Cadmium	70	NA	-	-	-	31	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Chromium	100	NA	-	-	-	**130**	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	200	NA	-	-	-	**12000**	-	**430**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	-	-	-	-
Mercury	20	NA	-	-	-	3.7	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.048	-	-	-	-
Nickel	600	NA	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-
Selenium	400	NA	-	-	-	ND (5.8)	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-
Silver	100	NA	-	-	-	ND (1.2)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	**1500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	58	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	**ND (64)**	ND (0.052)	**ND (2.8)**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	**ND (64)**	ND (0.052)	**ND (2.8)**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	**ND (64)**	ND (0.052)	**ND (2.8)**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	**ND (64)**	ND (0.052)	**ND (2.8)**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	**ND (64)**	ND (0.052)	**ND (2.8)**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.22	0.34	0.51	ND (0.11)	ND (0.11)	0.36	**1.2**	ND (0.11)	**2.3**	**4.2**	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	**670**	**3.1**	**17**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	0.13	ND (0.12)	0.14	0.33	0.66	ND (0.11)	ND (0.11)	0.22	**2.8**	ND (0.11)	0.81	**1.3**	ND (0.11)	ND (0.11)	-	**1.8**	0.19	ND (0.051)	0.064
Aroclor-1260 (PCB-1260)	1	NA	**240**	**1.7**	**8.3**	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	0.38	0.39	ND (0.11)	ND (0.11)	0.41	**5.8**	ND (0.11)	0.86	ND (0.59)	ND (0.11)	ND (0.11)	-	**3.1**	0.46	**1.1**	0.074
Aroclor-1262 (PCB-1262)	NA	NA	ND (64)	ND (0.052)	ND (2.8)	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (64)	ND (0.052)	ND (2.8)	-	ND (0.06)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)
SUM of PCBs	1	NA	**910**	**4.8**	**25.3**	-	ND	-	ND	ND	0.13	ND	0.36	**1.05**	**1.56**	ND	ND	0.99	**9.8**	ND	**3.97**	**5.5**	ND	ND	-	**4.9**	0.65	**1.1**	0.138
Other																													
Percent Solids, vol. (%wt)	NA	NA	-	-	-	84 84	-	-	96.3	87.4	85.1	83.4	87.2	82.5	88.9	93.3	85.8	84.3	93.8	93.4	86.7	84.9	87.2	88.3	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (4)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (20)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	9.7	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			G7	G7	G7	G7	G8	G8	G8	G8	G8	G8	G8	G8	G8	G8	G8	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9
Sample Name			G7_S7_16-18	G7_S8_18-20	G7_S9_20-22	G7_S10_22-24	G8_S2_4-5	G8_S6_4-10.6	G8_S3_5-7	G8_S4_7-9	G8_S5_9-10.6	G8_S7_15-17	G8_S8_17-19	G8_S9_19-21	G8_S10_21-23	G8_S11_23-25	G9_S6_5.4-15.2	G9_S2_7.2-8.1	G9_S3_9.2-11.2	G9_S4_11.2-13.2	G9_S5_13.2-15.2	G9_S7_15.2-17.2	G9_S8_17.2-19.2	G9_S9_19.2-21.2	G9_S10_21.2-23.2	G9_S11_23.2-25.2	G9_S12_25.2-27.2
Sample Date			06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			133736-30	133736-31	133736-32	133736-33	133736-35	133736-39 133736-60 133736-70 134154-6	133736-36	133736-37	133736-38	133766-6	133766-7	133766-8	133766-9	133766-10	133875-56 133875-63 133875-72	133875-19	133875-20 133875-20RA1	133875-21	133875-22	133875-23	133875-24	133875-25	133875-26	133875-27	133875-28
Sample Depth (bgs)			16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4 - 5 (ft)	4 - 10.6 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 10.6 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	5.4 - 15.2 (ft)	7.2 - 8.1 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	25.2 - 27.2 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -4	-4 to -6	15 to 14	15 to 8.4	14 to 12	12 to 10	10 to 8.4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	15.8 to 6	14 to 13.1	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ASPHALT CAP/FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	-	-	ND (0.28)	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.051)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	**0.73**	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	0.41	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	5.8	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	**4.4**	-	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	5.4	-	-	-	-	-	-	-	-	**8**	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	0.65	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	4.5	-	-	-	-	-	-	-	-	5.7	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	0.64	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	0.55	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	6.7	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	0.68	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	9.9	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	47.49	-	-	-	-	-	-	-	-	73.97	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			G7	G7	G7	G7	G8	G8	G8	G8	G8	G8	G8	G8	G8	G8	G8	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9
Sample Name			G7_S7_16-18	G7_S8_18-20	G7_S9_20-22	G7_S10_22-24	G8_S2_4-5	G8_S6_4-10.6	G8_S3_5-7	G8_S4_7-9	G8_S5_9-10.6	G8_S7_15-17	G8_S8_17-19	G8_S9_19-21	G8_S10_21-23	G8_S11_23-25	G9_S6_5.4-15.2	G9_S2_7.2-8.1	G9_S3_9.2-11.2	G9_S4_11.2-13.2	G9_S5_13.2-15.2	G9_S7_15.2-17.2	G9_S8_17.2-19.2	G9_S9_19.2-21.2	G9_S10_21.2-23.2	G9_S11_23.2-25.2	G9_S12_25.2-27.2
Sample Date			06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133736-30	133736-31	133736-32	133736-33	133736-35	133736-39 133736-60 133736-70 134154-6	133736-36	133736-37	133736-38	133766-6	133766-7	133766-8	133766-9	133766-10	133875-56 133875-63 133875-72	133875-19	133875-20 133875-20RA1	133875-21	133875-22	133875-23	133875-24	133875-25	133875-26	133875-27	133875-28
Sample Depth (bgs)			16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4 - 5 (ft)	4 - 10.6 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 10.6 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	5.4 - 15.2 (ft)	7.2 - 8.1 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	25.2 - 27.2 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -4	-4 to -6	15 to 14	15 to 8.4	14 to 12	12 to 10	10 to 8.4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	15.8 to 6	14 to 13.1	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ASPHALT CAP/FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	160	-	-	-	-	-	-	-	-	75	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	200	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	150	-	-	-	-	-	-	-	-	ND (37)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	ND (37)	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	8.2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	5.1	-	-	-	-	-	-	-	-	ND (3.6)	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	130	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	0.98	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	16	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	**750**	-	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	0.21	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	18	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	33	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	830	-	-	-	-	-	-	-	-	82	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (2.2)**	**ND (4.2)**	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (2.2)**	**ND (4.2)**	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (2.2)**	**ND (4.2)**	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (2.2)**	**ND (4.2)**	ND (0.048)	ND (0.053)	ND (0.058)	0.13	0.2	0.15	ND (0.058)	ND (0.064)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	0.12	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (2.2)**	**59**	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	0.11	ND (0.04)	0.97	-	0.31	0.068	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**7.5**	**ND (4.2)**	0.048	0.16	ND (0.058)	ND (0.055)	0.092	0.076	ND (0.058)	ND (0.064)
Aroclor-1260 (PCB-1260)	1	NA	0.041	ND (0.04)	ND (0.04)	ND (0.04)	0.6	-	0.15	0.046	ND (0.04)	0.13	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**3.6**	**12**	ND (0.048)	0.087	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)	ND (0.064)
SUM of PCBs	1	NA	0.041	ND	0.11	ND	**1.57**	-	0.46	0.114	0.12	0.13	ND	ND	ND	ND	-	**11.1**	**71**	0.048	0.247	ND	0.13	0.292	0.226	ND	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	8.3	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			G10	G10	G10	G10	G10	G10	G10	G10	G10	G10	G11	G11	G11	G12	G12	G12	G13	G13	G14	G14	G14	G14	G14	G14
Sample Name			G10_S2_7.3-9.3	G10_S7_7.3-17.3	G10_S3_9.3-11.3	G10_S4_11.3-13.3	G10_S5_13.3-15.3	G10_S6_15.3-17.3	G10_S8_17.3-19.3	G10_S9_19.3-21.3	G10_S10_21.3-23.3	G10_S11_23.3-25.3	G11_S1_7.3-9.5	G11_S2_7.3-9.5	G11_S3_9.5-11.5	G12_S1_7.0-9.6	G12_S2_7.0-9.6	G12_S3_9.6-11.6	G13_S1_8.0-9.6	G13_S2_8.0-9.6	G14_S2_7.5-9.5	G14_S3_9.5-11.5	G14_S4_11.5-13.5	G14_S5_13.5-15.5	G14_S7_13.5-19.5	G14_S6_15.5-17.5
Sample Date			06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	02/11/2015	02/11/2015	02/11/2015	02/23/2015	02/23/2015	02/23/2015	02/18/2015	02/18/2015	12/22/2010	12/22/2010	12/22/2010	12/23/2010	12/23/2010	12/23/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133875-10 133875-10RA1	133875-55 133875-61 133875-70 134056-4	133875-11	133875-12 133875-12RA1	133875-13	133875-14	133875-15	133875-16	133875-17	133875-18	15B0361-01	15B0762-01	15B0762-02	15B0741-01	15C0074-01	15C0074-02	15B0585-01 15B0585-01RE1 15B0804-01	15C0018-01	138765-17 138765-17RA1	138765-18	138765-19	138796-7	138796-22 138796-27 138796-32 138974-2	138796-8
Sample Depth (bgs)			7.3 - 9.3 (ft)	7.3 - 17.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	7.3 - 9.5 (ft)	7.3 - 9.5 (ft)	9.5 - 11.5 (ft)	7 - 9.6 (ft)	7 - 9.6 (ft)	9.6 - 11.6 (ft)	8 - 9.6 (ft)	8 - 9.6 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	13.5 - 19.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)			14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.2 to 12	14.2 to 12	12 to 10	14.6 to 12	14.6 to 12	12 to 10	13.6 to 12	13.6 to 12	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	7.9 to 1.9	5.9 to 3.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-	-	-	-	-	ND (0.35)	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0026)	-	-	ND (0.0025)	-	-	-	-	-	ND (0.35)	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	0.89	-
1,3-Dichlorobenzene	3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
Acetone	6	NA	-	ND (0.22)	-	-	-	-	-	-	-	-	ND (0.056)	-	-	ND (0.065)	-	-	ND (0.063)	-	-	-	-	-	ND (3.5)	-
Benzene	2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	0.0025	-	-	-	-	-	ND (0.35)	-
Chlorobenzene	1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-	-	-	-	-	**ND (0.35)**	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	0.35	-
Ethylbenzene	40	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	0.4	-
Isopropylbenzene	1000	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
m,p-Xylenes	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-	-	-	-	-	ND (0.35)	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-	-	-	-	-	**ND (0.35)**	-
Methylene chloride	0.1	NA	-	ND (0.056)	-	-	-	-	-	-	-	-	ND (0.0056)	-	-	ND (0.0065)	-	-	ND (0.0063)	-	-	-	-	-	**ND (1.4)**	-
Naphthalene	4	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0056)	-	-	0.013	-	-	ND (0.0063)	-	-	-	-	-	ND (0.35)	-
n-Propylbenzene	100	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	0.75	-
o-Xylene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
Styrene	3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
Tetrachloroethene	1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	ND (0.35)	-
Toluene	30	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	0.0032	-	-	-	-	-	ND (0.35)	-
Trichloroethene	0.3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-	-	-	-	-	**ND (0.35)**	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	ND	-	-	0.013	-	-	0.0057	-	-	-	-	-	2.39	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	**0.85**	-	-	-	-	-	ND (0.45)	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
2-Chloronaphthalene	1000	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
2-Methylnaphthalene	0.7	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	0.22	-	-	ND (0.19)	-	-	0.23	-	-	-	-	-	**2.3**	-
2-Methylphenol	500	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
3&4-Methylphenol	NA	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Acenaphthene	4	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	0.3	-	-	ND (0.19)	-	-	1.3	-	-	-	-	-	ND (0.45)	-
Acenaphthylene	1	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)	-	-	ND (0.18)	-	-	-	-	-	ND (0.45)	-
Acetophenone	NA	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Aniline	NA	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Anthracene	1000	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	0.76	-	-	0.35	-	-	1.8	-	-	-	-	-	ND (0.45)	-
Benzo(a)anthracene	7	NA	-	0.82	-	-	-	-	-	-	-	-	1.3	-	-	0.63	-	-	3.9	-	-	-	-	-	3.6	-
Benzo(a)pyrene	2	NA	-	0.98	-	-	-	-	-	-	-	-	1.1	-	-	0.53	-	-	**3.1**	-	-	-	-	-	ND (0.45)	-
Benzo(b)fluoranthene	7	NA	-	1.4	-	-	-	-	-	-	-	-	1.3	-	-	0.68	-	-	4.1	-	-	-	-	-	ND (0.45)	-
Benzo(g,h,i)perylene	1000	NA	-	0.47	-	-	-	-	-	-	-	-	0.5	-	-	0.28	-	-	1.9	-	-	-	-	-	ND (0.45)	-
Benzo(k)fluoranthene	70	NA	-	0.47	-	-	-	-	-	-	-	-	0.48	-	-	0.28	-	-	1.6	-	-	-	-	-	ND (0.45)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	0.4	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Butyl benzylphthalate	100	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Carbazole	NA	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.45)	-
Chrysene	70	NA	-	0.93	-	-	-	-	-	-	-	-	1.3	-	-	0.65	-	-	3.4	-	-	-	-	-	1.7	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)	-	-	0.54	-	-	-	-	-	ND (0.45)	-
Dibenzofuran	100	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	0.58	-	-	-	-	-	ND (0.45)	-
Diethyl phthalate	10	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Di-n-butylphthalate	50	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Di-n-octyl phthalate	1000	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.72)	-	-	ND (0.74)	-	-	ND (0.72)	-	-	-	-	-	ND (0.45)	-
Fluoranthene	1000	NA	-	1.4	-	-	-	-	-	-	-	-	3	-	-	1.5	-	-	10	-	-	-	-	-	0.78	-
Fluorene	1000	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	0.41	-	-	0.43	-	-	0.85	-	-	-	-	-	ND (0.45)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	0.51	-	-	-	-	-	-	-	-	0.67	-	-	0.35	-	-	2.3	-	-	-	-	-	ND (0.45)	-
Isophorone	100	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Naphthalene	4	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	0.44	-	-	0.46	-	-	0.56	-	-	-	-	-	2.5	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.45)	-
Pentachlorophenol	3	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Phenanthrene	10	NA	-	0.76	-	-	-	-	-	-	-	-	2.7	-	-	1.9	-	-	6.8	-	-	-	-	-	0.49	-
Phenol	1	NA	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	ND (0.45)	-
Pyrene	1000	NA	-	1.5	-	-	-	-	-	-	-	-	3.1	-	-	1.6	-	-	8	-	-	-	-	-	7.5	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	9.24	-	-	-	-	-	-	-	-	17.58	-	-	10.04	-	-	51.81	-	-	-	-	-	18.87	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			G10	G10	G10	G10	G10	G10	G10	G10	G10	G10	G11	G11	G11	G12	G12	G12	G13	G13	G14	G14	G14	G14	G14	G14
Sample Name			G10_S2_7.3-9.3	G10_S7_7.3-17.3	G10_S3_9.3-11.3	G10_S4_11.3-13.3	G10_S5_13.3-15.3	G10_S6_15.3-17.3	G10_S8_17.3-19.3	G10_S9_19.3-21.3	G10_S10_21.3-23.3	G10_S11_23.3-25.3	G11_S1_7.3-9.5	G11_S2_7.3-9.5	G11_S3_9.5-11.5	G12_S1_7.0-9.6	G12_S2_7.0-9.6	G12_S3_9.6-11.6	G13_S1_8.0-9.6	G13_S2_8.0-9.6	G14_S2_7.5-9.5	G14_S3_9.5-11.5	G14_S4_11.5-13.5	G14_S5_13.5-15.5	G14_S7_13.5-19.5	G14_S6_15.5-17.5
Sample Date			06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	02/11/2015	02/11/2015	02/11/2015	02/23/2015	02/23/2015	02/23/2015	02/18/2015	02/18/2015	12/22/2010	12/22/2010	12/22/2010	12/23/2010	12/23/2010	12/23/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133875-10 133875-10RA1	133875-55 133875-61 133875-70 134056-4	133875-11	133875-12 133875-12RA1	133875-13	133875-14	133875-15	133875-16	133875-17	133875-18	15B0361-01	15B0762-01	15B0762-02	15B0741-01	15C0074-01	15C0074-02	15B0585-01 15B0585-01RE1 15B0804-01	15C0018-01	138765-17 138765-17RA1	138765-18	138765-19	138796-7	138796-22 138796-27 138796-32 138974-2	138796-8
Sample Depth (bgs)			7.3 - 9.3 (ft)	7.3 - 17.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	7.3 - 9.5 (ft)	7.3 - 9.5 (ft)	7.3 - 9.5 (ft)	7 - 9.6 (ft)	7 - 9.6 (ft)	9.6 - 11.6 (ft)	8 - 9.6 (ft)	8 - 9.6 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	13.5 - 19.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)			14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.2 to 12	14.2 to 12	12 to 10	14.6 to 12	14.6 to 12	12 to 10	13.6 to 12	13.6 to 12	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	7.9 to 1.9	5.9 to 3.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	620	-	-	1100	-	-	470	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-
Arsenic	20	NA	-	ND (3.9)	-	-	-	-	-	-	-	-	ND (2.7)	-	-	ND (2.8)	-	-	3.4	-	-	-	-	-	ND (4.4)	-
Barium	1000	NA	-	48	-	-	-	-	-	-	-	-	36	-	-	23	-	-	45	-	-	-	-	-	100	-
Beryllium	90	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Cadmium	70	NA	-	ND (0.65)	-	-	-	-	-	-	-	-	0.39	-	-	ND (0.28)	-	-	0.48	-	-	-	-	-	ND (0.73)	-
Chromium	100	NA	-	17	-	-	-	-	-	-	-	-	18	-	-	9.3	-	-	12	-	-	-	-	-	5.9	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	**570**	-	-	-	-	-	-	-	-	52	-	-	75	-	-	160	-	-	-	-	-	150	-
Mercury	20	NA	-	0.34	-	-	-	-	-	-	-	-	0.28	-	-	0.31	-	-	0.22	-	-	-	-	-	1.8	-
Nickel	600	NA	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	-
Selenium	400	NA	-	ND (6.5)	-	-	-	-	-	-	-	-	ND (5.4)	-	-	ND (5.6)	-	-	ND (5.3)	-	-	-	-	-	ND (7.3)	-
Silver	100	NA	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (0.54)	-	-	ND (0.56)	-	-	ND (0.53)	-	-	-	-	-	ND (1.5)	-
Thallium	8	NA	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (7.3)	-
Vanadium	400	NA	-	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
Zinc	1000	NA	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	1.3	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	**ND (2.4)**	-	ND (0.43)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	**ND (2.4)**	-	ND (0.43)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	**ND (2.4)**	-	ND (0.43)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	**ND (2.4)**	-	ND (0.43)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	0.44	**2.5**	-	**3.4**	**5.1**	-	**1.4**	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	0.68	-	ND (0.049)	**2**	ND (0.052)	0.056	0.24	ND (0.05)	ND (0.051)	ND (0.056)	-	0.31	**3.1**	-	**4.2**	**8.9**	-	**1.8**	0.43	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	0.32	-	ND (0.049)	0.97	ND (0.052)	ND (0.052)	0.12	ND (0.05)	ND (0.051)	ND (0.056)	-	0.15	**2.1**	-	**2.3**	**9.4**	-	0.88	0.4	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)
SUM of PCBs	1	NA	**1**	-	ND	**2.97**	ND	0.056	0.36	ND	ND	ND	-	0.9	**7.7**	-	**9.9**	**23.4**	-	**4.08**	0.83	ND	ND	ND	-	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	92.7	88.6	95.3	91	92.7	82.3	92.7	93.7	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (3.9)	-	-	ND (3.9)	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	ND (19)	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	97	-	-	81	-	-	92	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7.2	-	-	-	-	-	-	-	-	10	-	-	11	-	-	11	-	-	-	-	-	7.3	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			G14	G15	G15	G15	G15	G15	G15	G15A	G15A	G15A	G16	G16	G16	G16	G17	G17	G17	G17	G18	G18	H3	H3	H3	H3	H3
Sample Name			G14_S8_17.5-19.5	G15_S3_7.2-9.2	G15_S4_9.2-11.2	G15_S5_11.2-13.2	G15_S6_13.2-15.2	G15_S7_15.2-17.2	G15_S8_17.2-19.2	G15A_S1_5.9-7.3	G15A_S2_5.9-7.3	G15A_S3_7.3-9.3	G16_S1_4.1-5.1	G16_S2_5.1-7.1	G16_S3_7.1-9.1	G16_S4_9.1-11.1	G17_S1_4.0-5.0	G17_S2_5.0-7.0	G17_S3_7.0-9.0	G17_S4_9.0-11.0	G18_S2_0.3-5.0	G18_S3_5.0-7.0	H3_S1_0-1.5	H3_S2_1.5-3.5	H3_S3_3.5-4.0	H3_S4_4.0-5.5	H3_S5_5.5-7.5
Sample Date			12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	02/12/2015	02/12/2015	02/12/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	02/12/2015	02/12/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			138796-9	138796-12	138796-13	138796-14	138796-15	138796-16	138796-17	15B0410-01 15D0960-01	15B0410-02	15B0788-01	15K1005-10	15K1005-11	15K1005-12	15K1005-13	15K1005-16	15K1005-17	15K1005-18	15K1005-19	15B0409-02	15B0409-03	15K0894-11	15K0894-12	15K0894-13	15L0055-02	15L0055-03
Sample Depth (bgs)			17.5 - 19.5 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	5.9 - 7.3 (ft)	5.9 - 7.3 (ft)	7.3 - 9.3 (ft)	4.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.3 - 5 (ft)	5 - 7 (ft)	0.1 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 4 (ft)	4 - 5.5 (ft)	5.5 - 7.5 (ft)
Sample Elevation (ft BCB)			3.9 to 1.9	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	15.4 to 14	15.4 to 14	14 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	20.7 to 16	16 to 14	17.4 to 16	16 to 14	14 to 13.5	13.5 to 12	12 to 10
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	ND (0.072)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	ND (0.0072)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	ND (0.0072)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	ND (0.73)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	16.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			G14	G15	G15	G15	G15	G15	G15	G15A	G15A	G15A	G16	G16	G16	G16	G17	G17	G17	G17	G18	G18	H3	H3	H3	H3	H3
Sample Name			G14_S8_17.5-19.5	G15_S3_7.2-9.2	G15_S4_9.2-11.2	G15_S5_11.2-13.2	G15_S6_13.2-15.2	G15_S7_15.2-17.2	G15_S8_17.2-19.2	G15A_S1_5.9-7.3	G15A_S2_5.9-7.3	G15A_S3_7.3-9.3	G16_S1_4.1-5.1	G16_S2_5.1-7.1	G16_S3_7.1-9.1	G16_S4_9.1-11.1	G17_S1_4.0-5.0	G17_S2_5.0-7.0	G17_S3_7.0-9.0	G17_S4_9.0-11.0	G18_S2_0.3-5.0	G18_S3_5.0-7.0	H3_S1_0-1.5	H3_S2_1.5-3.5	H3_S3_3.5-4.0	H3_S4_4.0-5.5	H3_S5_5.5-7.5
Sample Date			12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	02/12/2015	02/12/2015	02/12/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	02/12/2015	02/12/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			138796-9	138796-12	138796-13	138796-14	138796-15	138796-16	138796-17	15B0410-01 15D0960-01	15B0410-02	15B0788-01	15K1005-10	15K1005-11	15K1005-12	15K1005-13	15K1005-16	15K1005-17	15K1005-18	15K1005-19	15B0409-02	15B0409-03	15K0894-11	15K0894-12	15K0894-13	15L0055-02	15L0055-03
Sample Depth (bgs)			17.5 - 19.5 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	5.9 - 7.3 (ft)	5.9 - 7.3 (ft)	7.3 - 9.3 (ft)	4.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.3 - 5 (ft)	5 - 7 (ft)	0.1 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 4 (ft)	4 - 5.5 (ft)	5.5 - 7.5 (ft)
Sample Elevation (ft BCB)			3.9 to 1.9	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	15.4 to 14	15.4 to 14	14 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	20.7 to 16	16 to 14	17.4 to 16	16 to 14	14 to 13.5	13.5 to 12	12 to 10
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	**270**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	ND (0.56)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	**1.1**	0.26	ND (0.11)	ND (0.1)	ND (0.1)	**1.3**	ND (0.11)	0.24	ND (0.098)	0.22	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	**1.4**	**2.2**	0.2	ND (0.11)	ND (0.1)	ND (0.1)	0.84	ND (0.11)	0.16	ND (0.098)	0.26	0.12	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	0.46	**2**	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	0.65	ND (0.11)	ND (0.11)	ND (0.098)	0.22	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.06)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	-	**1.86**	**5.3**	0.46	ND	ND	ND	**2.79**	ND	0.4	ND	0.7	0.12	ND	ND	ND	ND	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	90.4	93.9	90.2	84.6	89.7	99	99.2	88.4	88.1	86.2	98.2	89.2	89.8	96.1	90.7	84.3	84.2	96.9
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H4	H4	H4	H4	H5	H5	H5	H5	H6	H6	H6	H6	H6	H6	H7	H7	H7	H7	H7	H7	H7	H7	H8	H8	H8	H8	H8	H8
Sample Name			H4_S1_0.7-1.7	H4_S2_1.7-3.7	H4_S3_3.7-5.7	H4_S4_5.7-7.7	H5_S1_0.0-1.3	H5_S2_1.3-3.3	H5_S3_3.3-5.3	H5_S4_5.3-7.3	H6_S1_0.0-1.2	H6_S2_1.2-3.2	Z6_S2_1.2-3.2	H6_S3_3.2-5.2	H6_S4_5.2-7.2	H6_S5_7.2-9.2	H7_S6_4-14	H7_S2_6-8	H7_S3_8-10	H7_S4_10-12	H7_S5_12-14	H7_S7_14-16	H7_S8_16-18	H7_S9_18-20	H8_S2_4-6	H8_S6_4-14	H8_S3_6-8	H8_S4_8-10	H8_S5_10-12	H8_S7_12-14
Sample Date			11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																												
Lab Sample ID			15K0891-07	15K0891-08	15K0891-09	15K0891-10	15L0053-02	15L0053-03	15L0053-04	15L0053-05	15K1345-11	15K1345-12	15K1345-17	15K1345-13	15K1345-14	15L0365-01	133736-47 133736-62 133736-72 134154-8	133736-43	133736-44	133736-45	133736-46	133736-48	133736-49	133736-50	133708-40	133708-52 133708-63 133708-71 133941-4	133708-41	133708-42	133708-43	133708-44
Sample Depth (bgs)			0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	4 - 6 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)			17 to 16	16 to 14	14 to 12	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	14.7 to 12.7	14.7 to 4.7	12.7 to 10.7	10.7 to 8.7	8.7 to 6.7	6.7 to 4.7
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																														
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	-	-	ND (0.29)	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.052)	-	-	-	-	-	-	-	-	ND (0.073)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																														
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	ND	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H4	H4	H4	H4	H5	H5	H5	H5	H6	H6	H6	H6	H6	H6	H7	H7	H7	H7	H7	H7	H7	H8	H8	H8	H8	H8	H8
Sample Name			H4_S1_0.7-1.7	H4_S2_1.7-3.7	H4_S3_3.7-5.7	H4_S4_5.7-7.7	H5_S1_0.0-1.3	H5_S2_1.3-3.3	H5_S3_3.3-5.3	H5_S4_5.3-7.3	H6_S1_0.0-1.2	H6_S2_1.2-3.2	Z6_S2_1.2-3.2	H6_S3_3.2-5.2	H6_S4_5.2-7.2	H6_S5_7.2-9.2	H7_S6_4-14	H7_S2_6-8	H7_S3_8-10	H7_S4_10-12	H7_S5_12-14	H7_S7_14-16	H7_S8_16-18	H7_S9_18-20	H8_S2_4-6	H8_S6_4-14	H8_S3_6-8	H8_S4_8-10	H8_S5_10-12	H8_S7_12-14
Sample Date			11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																											
Lab Sample ID			15K0891-07	15K0891-08	15K0891-09	15K0891-10	15L0053-02	15L0053-03	15L0053-04	15L0053-05	15K1345-11	15K1345-12	15K1345-17	15K1345-13	15K1345-14	15L0365-01	133736-47 133736-62 133736-72 134154-8	133736-43	133736-44	133736-45	133736-46	133736-48	133736-49	133736-50	133708-40	133708-52 133708-63 133708-71 133941-4	133708-41	133708-42	133708-43	133708-44
Sample Depth (bgs)			0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	4 - 6 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)			17 to 16	16 to 14	14 to 12	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	14.7 to 12.7	14.7 to 4.7	12.7 to 10.7	10.7 to 8.7	8.7 to 6.7	6.7 to 4.7
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	120	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-	130	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	110	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	140	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	4.1	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	-	-	-	-	-	5.7	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	-	-	-	-	170	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.89	-	-	-	-	-	-	-	1.6	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-	-	-	-	-	-	-	18	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**210**	-	-	-	-	-	-	-	**1500**	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**92**	-	-	-	-	-	-	-	1.4	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	-	-	-	-	-	-	-	17	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	ND (6.7)	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-	-	-	ND (6.7)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	32	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	460	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	6.2	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.12)	**ND (1.1)**	**ND (21)**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	ND (0.04)	**ND (2.4)**	ND (0.44)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.12)	**ND (1.1)**	**ND (21)**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	ND (0.04)	**ND (2.4)**	ND (0.44)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.12)	**ND (1.1)**	**ND (21)**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	ND (0.04)	**ND (2.4)**	ND (0.44)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.12)	**ND (1.1)**	**ND (21)**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	ND (0.04)	**ND (2.4)**	ND (0.44)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	0.16	ND (0.11)	ND (0.11)	0.16	ND (0.12)	ND (0.12)	**3.3**	ND (0.11)	ND (0.11)	**3.5**	0.34	**3.3**	**ND (21)**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (2.3)**	ND (0.04)	**ND (2.4)**	ND (0.44)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	0.2	ND (0.12)	ND (0.12)	**5.2**	0.22	ND (0.11)	**ND (1.1)**	ND (0.12)	**1.3**	**150**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**18**	ND (0.04)	**17**	**1.4**	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	0.16	ND (0.12)	ND (0.12)	**2.2**	0.15	ND (0.11)	**ND (1.1)**	ND (0.12)	**ND (1.1)**	**ND (21)**	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**13**	0.39	**13**	**1**	0.41	0.44
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	0.16	ND	ND	0.52	ND	ND	**10.7**	0.37	ND	**3.5**	0.34	**4.6**	**150**	ND	-	ND	ND	ND	ND	ND	ND	ND	**31**	0.39	**30**	**2.4**	0.41	0.44
Other																													
Percent Solids, vol. (%wt)	NA	NA	93.1	88.2	92.1	86.4	85.3	81.5	91.1	91.6	87.7	86.3	86.2	86.6	95.5	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	-	-	-	6.9	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-	-	-	-	12	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	-	6.5	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	19	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H8	H8	H8	H8	H8	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10
Sample Name			H8_S8_14-16	H8_S9_16-18	H8_S10_18-20	H8_S11_20-22	H8_S12_22-24	H9_S2_6-8	H9_S3_8-10	H9_S5_5-14	H9_S4_10-12	H9_S6_12-14	H9_S7_14-16	H9_S8_16-18	H9_S9_18-20	H9_S10_20-22	H9_S11_22-24	H9_S12_24-26	H10_S7_7-17	H10_S2_9-11	H10_S3_11-13	H10_S4_13-15	H10_S5_15-17	H10_S6_17-19	H10_S8_19-21	H10_S9_21-23	H10_S10_23-25	H10_S11_25-26.3
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-45	133708-46	133708-47	133736-40	133736-41	133736-52	133736-53	133766-50 133766-61 133766-70 134055-1	133766-25	133766-26	133766-27	133766-28	133766-29	133766-30	133766-31	133766-32	133757-57 133875-65 133875-74 134056-5	133875-34	133875-35	133875-36	133875-37	133875-38	133875-39	133875-40	133875-41	133875-42
Sample Depth (bgs)			14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	6 - 8 (ft)	8 - 10 (ft)	5 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 26.3 (ft)
Sample Elevation (ft BCB)			4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3	-3.3 to -5.3	14.9 to 12.9	12.9 to 10.9	15.9 to 6.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.3
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL/HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	ND (0.27)	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	ND (0.068)	-	-	-	-	-	-	-	-	ND (0.052)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	0.48	-	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-	-	-	0.62	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	0.87	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	0.68	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	0.84	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	0.46	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	0.48	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	0.86	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	5.33	-	-	-	-	-	-	-	-	7.14	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H8	H8	H8	H8	H8	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10
Sample Name			H8_S8_14-16	H8_S9_16-18	H8_S10_18-20	H8_S11_20-22	H8_S12_22-24	H9_S2_6-8	H9_S3_8-10	H9_S5_5-14	H9_S4_10-12	H9_S6_12-14	H9_S7_14-16	H9_S8_16-18	H9_S9_18-20	H9_S10_20-22	H9_S11_22-24	H9_S12_24-26	H10_S7_7-17	H10_S2_9-11	H10_S3_11-13	H10_S4_13-15	H10_S5_15-17	H10_S6_17-19	H10_S8_19-21	H10_S9_21-23	H10_S10_23-25	H10_S11_25-26.3
Sample Date			06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133708-45	133708-46	133708-47	133736-40	133736-41	133736-52	133736-53	133766-50 133766-61 133766-70 134055-1	133766-25	133766-26	133766-27	133766-28	133766-29	133766-30	133766-31	133766-32	133875-57 133875-65 133875-74 134056-5	133875-34	133875-35	133875-36	133875-37	133875-38	133875-39	133875-40	133875-41	133875-42
Sample Depth (bgs)			14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	6 - 8 (ft)	8 - 10 (ft)	5 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 26.3 (ft)
Sample Elevation (ft BCB)			4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3	-3.3 to -5.3	14.9 to 12.9	12.9 to 10.9	15.9 to 6.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.3
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL/HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	ND (31)	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	ND (31)	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	ND (31)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	7.9	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	210	-	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.33)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	ND (0.56)	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	**870**	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	0.46	-	-	-	-	-	-	-	-	0.69	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	ND (6)	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	ND (6)	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	180	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	9.6	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.4)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.4)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.4)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.4)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.082	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.4)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.063	**51**	-	0.1	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	0.15	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**32**	-	0.083	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.045	0.093	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	0.063	**83**	-	0.183	ND	ND	ND	ND	ND	ND	ND	-	0.127	0.243	ND	ND	ND	ND	ND	ND	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	8.5	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H10	H11	H11	H11	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H13	H13	H13	H14	H14	H14	H15	H15
Sample Name			H10_S12_26.3-27	H11_S1_8.0-9.0	H11_S2_8-9	H11_S3_9-11	H12_S2_4.3-5.3	H12_S3_4.3-14.3	H12_S4_5.3-5.6	H12_S5_7.3-8.8	H12_S6_9.3-11.3	H12_S7_11.3-13.3	H12_S8_13.3-15.3	Y26_S1_2-4	H12_S9_15.3-17.3	H12_S10_17.3-19.3	H12_S11_19.3-21.3	H12_S12_21.3-23.3	H12_S13_23.3-25.3	H13_S1_8.0-9.1	H13_S2_8.0-9.1	H13_S3_9.1-11.1	H14_S1_8.0-9.1	H14_S2_8.0-9.1	H14_S3_9.1-11.1	H15_S1_8-9	H15_S2_8-9
Sample Date			06/11/2010	02/18/2015	02/18/2015	02/18/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	02/20/2015	02/20/2015	02/20/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133875-43	15B0587-01	15C0016-01	15C0016-02	139017-24	139017-34 139017-38 139017-42	139017-25	139017-26	139017-27	139017-28	139039-8	139039-14	139039-9	139039-10	139039-11	139039-12	139039-13	15B0706-01 15B0706-01RE1 15C0032-01 15C0032-01RE1	15C0071-01	15C0071-02	15B0626-01 15B0805-01	15C0024-01	15C0024-02	15B0628-01	15C0019-01
Sample Depth (bgs)			26.3 - 27 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	4.3 - 5.3 (ft)	4.3 - 14.3 (ft)	5.3 - 5.6 (ft)	7.3 - 8.8 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	9.1 - 11.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	9.1 - 11.1 (ft)	8 - 9 (ft)	8 - 9 (ft)
Sample Elevation (ft BCB)			-5.3 to -6	13 to 12	13 to 12	12 to 10	17 to 16	17 to 7	16 to 15.7	14 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	13.1 to 12	13.1 to 12	12 to 10	13.1 to 12	13.1 to 12	12 to 10	13 to 12	13 to 12
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.0022)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.0022)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0021	-	-	ND (0.0017)	-	-	ND (0.0012)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Acetone	6	NA	-	ND (0.056)	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.095)	-	-	ND (0.083)	-	-	ND (0.059)	-
Benzene	2	NA	-	0.0027	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0043	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Chlorobenzene	1	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.0022)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-
Cymene (p-Isopropyltoluene)	100	NA	-	0.0012	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Ethylbenzene	40	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0065	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Isopropylbenzene	1000	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
m,p-Xylenes	NA	NA	-	ND (0.0022)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0044	-	-	ND (0.0033)	-	-	ND (0.0024)	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0022)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-
Methylene chloride	0.1	NA	-	ND (0.0056)	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0095)	-	-	ND (0.0083)	-	-	ND (0.0059)	-
Naphthalene	4	NA	-	ND (0.0056)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-	ND (0.0083)	-	-	ND (0.0059)	-
n-Propylbenzene	100	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
o-Xylene	NA	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0024	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Styrene	3	NA	-	0.0026	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0046	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Tetrachloroethene	1	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Toluene	30	NA	-	0.0018	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.048	-	-	ND (0.0017)	-	-	ND (0.0012)	-
Trichloroethene	0.3	NA	-	ND (0.0011)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-
SUM of Volatile Organic Compounds	NA	NA	-	0.0083	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	2.3723	-	-	ND	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
2-Chloronaphthalene	1000	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
2-Methylnaphthalene	0.7	NA	-	0.32	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	0.36	-	-	ND (0.2)	-	-	ND (0.19)	-
2-Methylphenol	500	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
3&4-Methylphenol	NA	NA	-	0.7	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Acenaphthene	4	NA	-	ND (0.18)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	2	-	-	ND (0.2)	-	-	ND (0.19)	-
Acenaphthylene	1	NA	-	ND (0.18)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.2)	-	-	ND (0.19)	-
Acetophenone	NA	NA	-	0.61	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Aniline	NA	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Anthracene	1000	NA	-	0.27	-	-	-	0.73	-	-	-	-	-	-	-	-	-	-	-	3	-	-	ND (0.2)	-	-	ND (0.19)	-
Benzo(a)anthracene	7	NA	-	0.53	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	0.3	-	-	0.38	-
Benzo(a)pyrene	2	NA	-	0.46	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	**4.3**	-	-	0.3	-	-	0.31	-
Benzo(b)fluoranthene	7	NA	-	0.68	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	0.49	-	-	0.53	-
Benzo(g,h,i)perylene	1000	NA	-	0.37	-	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	ND (0.2)	-	-	ND (0.19)	-
Benzo(k)fluoranthene	70	NA	-	0.26	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-	-	2	-	-	ND (0.2)	-	-	ND (0.19)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	0.54	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Butyl benzylphthalate	100	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Carbazole	NA	NA	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	0.57	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	5.1	-	-	0.48	-	-	0.45	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.18)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	**0.71**	-	-	ND (0.2)	-	-	ND (0.19)	-
Dibenzofuran	100	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	0.95	-	-	ND (0.4)	-	-	ND (0.38)	-
Diethyl phthalate	10	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Di-n-butylphthalate	50	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Di-n-octyl phthalate	1000	NA	-	ND (0.72)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	ND (0.79)	-	-	ND (0.75)	-
Fluoranthene	1000	NA	-	1.3	-	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	11	-	-	0.56	-	-	0.86	-
Fluorene	1000	NA	-	ND (0.18)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	ND (0.2)	-	-	ND (0.19)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	0.41	-	-	-	0.91	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	ND (0.2)	-	-	ND (0.19)	-
Isophorone	100	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Naphthalene	4	NA	-	1.1	-	-	-	0.75	-	-	-	-	-	-	-	-	-	-	-	0.86	-	-	ND (0.2)	-	-	ND (0.19)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.37)	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Phenanthrene	10	NA	-	1.1	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	**12**	-	-	0.55	-	-	0.42	-
Phenol	1	NA	-	ND (0.37)	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-
Pyrene	1000	NA	-	1.1	-	-	-	3.3	-	-	-	-	-	-	-	-	-	-	-	13	-	-	0.54	-	-	0.7	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	10.32	-	-	-	21.06	-	-	-	-	-	-	-	-	-	-	-	73.68	-	-	3.22	-	-	3.65	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H10	H11	H11	H11	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H13	H13	H13	H14	H14	H14	H15	H15
Sample Name			H10_S12_26.3-27	H11_S1_8.0-9.0	H11_S2_8-9	H11_S3_9-11	H12_S2_4.3-5.3	H12_S3_4.3-14.3	H12_S4_5.3-5.6	H12_S5_7.3-8.8	H12_S6_9.3-11.3	H12_S7_11.3-13.3	H12_S8_13.3-15.3	H12_S9_15.3-17.3	H12_S10_17.3-19.3	H12_S11_19.3-21.3	H12_S12_21.3-23.3	H12_S13_23.3-25.3	H13_S1_8.0-9.1	H13_S2_8.0-9.1	H13_S3_9.1-11.1	H14_S1_8.0-9.1	H14_S2_8.0-9.1	H14_S3_9.1-11.1	H15_S1_8-9	H15_S2_8-9
Sample Date			06/11/2010	02/18/2015	02/18/2015	02/18/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	02/20/2015	02/20/2015	02/20/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133875-43	15B0587-01	15C0016-01	15C0016-02	139017-24	139017-34 139017-38 139017-42	139017-25	139017-26	139017-27	139017-28	139039-8	139039-14	139039-9	139039-10	139039-11	139039-12	139039-13	15B0706-01 15B0706-01RE1 15C0032-01 15C0032-01RE1	15C0071-01	15C0071-02	15B0626-01 15B0805-01	15C0024-01	15C0024-02	15B0628-01	15C0019-01
Sample Depth (bgs)			26.3 - 27 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	4.3 - 5.3 (ft)	4.3 - 14.3 (ft)	5.3 - 5.6 (ft)	7.3 - 8.8 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	8 - 9 (ft)	8 - 9 (ft)
Sample Elevation (ft BCB)			-5.3 to -6	13 to 12	13 to 12	12 to 10	17 to 16	17 to 7	16 to 15.7	14 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	13.1 to 12	13.1 to 12	13.1 to 12	13.1 to 12	13.1 to 12	12 to 10	13 to 12	13 to 12
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	390	-	-	160	-	-	120	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	4.6	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	-	**21**	-	-	5.6	-	-	ND (2.8)	-
Barium	1000	NA	-	92	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	100	-	-	240	-	-	52	-
Beryllium	90	NA	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	1.3	-	-	-	0.76	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	ND (0.28)	-	-	0.83	-
Chromium	100	NA	-	21	-	-	-	7.6	-	-	-	-	-	-	-	-	-	-	-	9.6	-	-	10	-	-	7.6	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	**1200**	-	-	-	86	-	-	-	-	-	-	-	-	-	-	-	**230**	-	-	120	-	-	95	-
Mercury	20	NA	-	2.1	-	-	-	0.44	-	-	-	-	-	-	-	-	-	-	-	11	-	-	0.68	-	-	0.23	-
Nickel	600	NA	-	-	-	-	-	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (5.6)	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	ND (6.2)	-	-	ND (5.6)	-	-	ND (5.6)	-
Silver	100	NA	-	ND (0.56)	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.62)	-	-	ND (0.56)	-	-	ND (0.56)	-
Thallium	8	NA	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	-	-	0.095	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.063)	-	**ND (5.4)**	**ND (4.1)**	ND (0.045)	-	ND (0.046)	ND (0.042)	ND (0.044)	**ND (2.3)**	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.063)	-	**ND (5.4)**	**ND (4.1)**	ND (0.045)	-	ND (0.046)	ND (0.042)	ND (0.044)	**ND (2.3)**	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.063)	-	**ND (5.4)**	**ND (4.1)**	ND (0.045)	-	ND (0.046)	ND (0.042)	ND (0.044)	**ND (2.3)**	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.063)	-	**ND (5.4)**	**ND (4.1)**	ND (0.045)	-	ND (0.046)	ND (0.042)	ND (0.044)	**ND (2.3)**	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.063)	-	**33**	**14**	0.5	-	0.45	ND (0.042)	ND (0.044)	**ND (2.3)**	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	0.14	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.063)	-	**44**	**24**	ND (0.045)	-	ND (0.046)	ND (0.042)	0.29	**15**	0.11	0.17	0.68	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	0.33	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.063)	-	**29**	**13**	0.18	-	0.11	ND (0.042)	0.2	**8.7**	ND (0.056)	0.13	0.4	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	-	ND (0.046)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	-	ND (0.046)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)
SUM of PCBs	1	NA	ND	-	**106**	**51**	0.68	-	0.56	ND	0.49	**23.7**	0.11	0.3	**1.08**	ND	ND	ND	ND	-	0.47	ND	-	ND	ND	-	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	92.4	93.1	93.9	-	-	-	-	-	-	-	-	-	-	-	-	-	82.8	84.4	86.4	84.7	82.7	87.8	89.1	85.3
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (4)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	ND (4)	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	ND (20)	-
Oxidation reduction potential (mV)	NA	NA	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	80	-	-	100	-
Ignitability (PA)	NA	NA	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	NI	-
pH Corrosivity (pH units)	NA	NA	-	10	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	9.6	-	-	8	-	-	8.2	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H15	H16	H16	H17	H17	H17	H18	H18	H18	H18	I3	I3	I3	I3	I4	I4	I4	I4	I5	I5	I5	I5	I6	I6	I6	I6	I7	I7	I7	I7
Sample Name			H15_S3_9-11	H16_S2_9-11	H16_S3_11-13	H17_S2_7-9	H17_S3_9-11	H17+S4_11-13	H18_S1_3.1-4.1	H18_S2_4.1-6.1	H18_S3_6.1-8.1	H18_S4_8.1-10.1	I3_S1_0.7-1.7	I3_S2_1.7-3.7	I3_S3_3.7-5.7	I3_S4_5.7-7.7	I4_S1_1.1-2.1'	I4_S2_2.1-4.1'	I4_S3_4.1-6.1'	I4_S4_6.1-8.1'	I5_S1_0.9-1.9	I5_S2_1.9-3.9	I5_S3_3.9-5.9	I5_S4_5.9-7.9	I6_S1_0.9-1.9	I6_S2_1.9-3.9	I6_S3_3.9-5.9	I6_S4_5.9-7.9	I7_S1_0-6	I7_S3_0-2	I7_S4_2-4	I7_S5_4-6
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	02/19/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015
Lab Sample ID			15C0019-02	139017-1RA1	139017-2	139017-4	139017-5	139017-6	15K1005-04	15K1005-05	15K1005-06	15K1005-07	15K0891-19	15K0891-20	15K0894-01	15K0894-02	15K0836-13	15K0836-14	15K0836-15	15K0836-16	15L0055-06	15L0055-07	15L0055-08	15L0055-09	15L0052-16	15L0052-17	15L0052-18	15L0052-19	15A0842-01	15A0842-03	15A0842-04	15A0842-05
Sample Depth (bgs)			9 - 11 (ft)	9 - 11 (ft)	11 - 13 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	3.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0 - 6 (ft)	0 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)			12 to 10	12 to 10	10 to 8	14 to 12	12 to 10	10 to 8	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 12	18 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																																
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.083)	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0083)	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0083)	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																																
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.82)	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.95	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			H15	H16	H16	H17	H17	H17	H18	H18	H18	H18	I3	I3	I3	I3	I4	I4	I4	I4	I5	I5	I5	I5	I6	I6	I6	I6	I7	I7	I7	I7
Sample Name			H15_S3_9-11	H16_S2_9-11	H16_S3_11-13	H17_S2_7-9	H17_S3_9-11	H17+S4_11-13	H18_S1_3.1-4.1	H18_S2_4.1-6.1	H18_S3_6.1-8.1	H18_S4_8.1-10.1	I3_S1_0.7-1.7	I3_S2_1.7-3.7	I3_S3_3.7-5.7	I3_S4_5.7-7.7	I4_S1_1.1-2.1'	I4_S2_2.1-4.1'	I4_S3_4.1-6.1'	I4_S4_6.1-8.1'	I5_S1_0.9-1.9	I5_S2_1.9-3.9	I5_S3_3.9-5.9	I5_S4_5.9-7.9	I6_S1_0.9-1.9	I6_S2_1.9-3.9	I6_S3_3.9-5.9	I6_S4_5.9-7.9	I7_S1_0-6	I7_S3_0-2	I7_S4_2-4	I7_S5_4-6
Sample Date			02/19/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																														
Lab Sample ID			15C0019-02	139017-1RA1	139017-2	139017-4	139017-5	139017-6	15K1005-04	15K1005-05	15K1005-06	15K1005-07	15K0891-19	15K0891-20	15K0894-01	15K0894-02	15K0836-13	15K0836-14	15K0836-15	15K0836-16	15L0055-06	15L0055-07	15L0055-08	15L0055-09	15L0052-16	15L0052-17	15L0052-18	15L0052-19	15A0842-01	15A0842-03	15A0842-04	15A0842-05
Sample Depth (bgs)			9 - 11 (ft)	9 - 11 (ft)	11 - 13 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	3.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0 - 6 (ft)	0 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)			12 to 10	12 to 10	10 to 8	14 to 12	12 to 10	10 to 8	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 12	18 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-
EPH (mg/kg)																																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																																
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.3)	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.63)	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																																
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	**ND (1.1)**	**ND (1.1)**	ND (0.11)	**ND (5.3)**	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	**ND (1.1)**	**ND (1.1)**	ND (0.11)	**ND (5.3)**	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	**ND (1.1)**	**ND (1.1)**	ND (0.11)	**ND (5.3)**	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	**ND (1.1)**	**ND (1.1)**	ND (0.11)	**ND (5.3)**	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (1.1)**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	0.35	**ND (1.1)**	**3.9**	0.2	**ND (5.3)**	ND (0.11)	ND (0.12)	ND (0.1)	0.32	ND (0.11)	ND (0.11)	ND (0.11)	0.62	ND (0.11)	**4.5**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	0.25	**7.6**	**6.4**	0.54	**40**	0.27	ND (0.12)	ND (0.1)	0.24	0.16	ND (0.11)	ND (0.11)	0.52	ND (0.11)	**6.2**	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	0.14	**ND (1.1)**	**5.2**	0.13	**ND (5.3)**	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.26	ND (0.11)	**4.8**	0.14	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.054)	ND (0.054)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	0.74	**7.6**	**15.5**	0.87	**40**	0.27	ND	ND	0.56	0.16	ND	ND	**1.4**	ND	**15.5**	0.14	ND	ND	ND	ND	-	ND	ND	ND
Other																																
Percent Solids, vol. (%wt)	NA	NA	91.5	-	-	-	-	-	89.1	85.7	91.7	90	92.9	93.1	80.2	97.1	88.9	87.1	93.3	93.5	88.7	84.4	89.7	90.8	88.4	83.1	84.4	87.1	81.6	85.3	83.5	80.5
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.8)	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (19)	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	-
VPH (mg/kg)																																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I7	I7	I8	I8	I8	I8	I8	I8	I9	I9	I9	I9A	I9A	I9A	I10	I10	I10	I11	I11	I12	I12	I12	I12	I12	I12	I12	I12A	I12A
Sample Name			I7_S2_6-8	I7_S6_6-8	I8_S1_0.5-6.0	I8_S2_6.5-8.5	I8_S3_8.5-10.5	I8_S4_10.5-12.5	Y23_S1_4-6	I8_S5_12.5-14.5	I9_S1_8.5-10.5	I9_S2_10.5-12.5	I9_S3_12.5-14.5	I9A_S1_7.0-8.7	I9A_S3_7.0-8.7	I9A_S2_8.7-10.7	I10_S1_7.0-8.7	I10_S2_8.7-10.7	I11_S1_7.0-8.9	I11_S2_8.9-10.9	I12_S2_6.5-7.8	I12_S3_8.5-10.5	X12_S3_8.5-10.5	I12_S4_10.5-12.5	I12_S5_12.5-14.5	I12_S6_14.5-16.5	I12A_S1_6.5-8.9	I12A_S2_6.9-8.9
Sample Date			01/26/2015	01/26/2015	12/20/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/16/2010	12/16/2010	12/16/2010	02/26/2015	02/26/2015	02/26/2015	02/27/2015	02/27/2015	02/27/2015	02/27/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15A0842-02	15A0842-06	138726-1	138733-1	138733-2	138733-3	138733-5	138733-4	138653-15	138653-16	138653-17	15B0849-01 15B0849-01RE1 15C0184-01	15B0849-03	15B0849-02 15B0849-02RE1	15B0904-01	15B0904-02	15B0901-01	15B0901-02	139155-11	139155-12 139155-12RA1	139155-13 139155-13RA1	139155-14	139155-15 139155-15RA1	139155-16	15A0850-01 15A0850-01RE1	15A0850-02
Sample Depth (bgs)			6 - 8 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	7 - 8.7 (ft)	7 - 8.7 (ft)	8.7 - 10.7 (ft)	7 - 8.7 (ft)	8.7 - 10.7 (ft)	7 - 8.9 (ft)	8.9 - 10.9 (ft)	6.5 - 7.8 (ft)	8.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)
Sample Elevation (ft BCB)			12 to 10	12 to 10	18 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	12 to 10	10 to 8	8 to 6	13.5 to 11.8	13.5 to 11.8	11.8 to 9.8	13.7 to 12	12 to 10	13.9 to 12	12 to 10	14 to 12.7	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	14.4 to 12	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																														
1,2,3-Trichlorobenzene	NA	NA	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-
1,2,4-Trichlorobenzene	2	NA	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
1,2-Dichlorobenzene	9	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
1,3-Dichlorobenzene	3	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
1,4-Dichlorobenzene	0.7	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Acetone	6	NA	ND (0.097)	-	-	-	-	-	-	-	-	-	-	ND (0.058)	-	ND (0.049)	-	-	-	-	-	-	-	-	-	-	ND (0.094)	-
Benzene	2	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Chlorobenzene	1	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Ethylbenzene	40	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Isopropylbenzene	1000	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
m,p-Xylenes	NA	NA	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-
Methylene chloride	0.1	NA	ND (0.0097)	-	-	-	-	-	-	-	-	-	-	ND (0.0058)	-	ND (0.0049)	-	-	-	-	-	-	-	-	-	-	ND (0.0094)	-
Naphthalene	4	NA	ND (0.0097)	-	-	-	-	-	-	-	-	-	-	ND (0.0058)	-	ND (0.0049)	-	-	-	-	-	-	-	-	-	-	ND (0.0094)	-
n-Propylbenzene	100	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
o-Xylene	NA	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Styrene	3	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Tetrachloroethene	1	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Toluene	30	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
Trichloroethene	0.3	NA	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																														
1,2,4-Trichlorobenzene	2	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,2-Dichlorobenzene	9	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,3-Dichlorobenzene	3	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,4-Dichlorobenzene	0.7	NA	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dimethylphenol	0.7	NA	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dinitrotoluene	0.7	NA	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,6-Dinitrotoluene	NA	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Chloronaphthalene	1000	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Methylnaphthalene	0.7	NA	**ND (0.86)**	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	0.19	-
2-Methylphenol	500	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
3&4-Methylphenol	NA	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Acenaphthene	4	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	0.66	-
Acenaphthylene	1	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Acetophenone	NA	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Aniline	NA	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Anthracene	1000	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	1.1	-
Benzo(a)anthracene	7	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.39	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	2.4	-
Benzo(a)pyrene	2	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.36	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	**2**	-
Benzo(b)fluoranthene	7	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.41	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	2.3	-
Benzo(g,h,i)perylene	1000	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.21	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	1.1	-
Benzo(k)fluoranthene	70	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	0.91	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Butyl benzylphthalate	100	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.42	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	2.3	-
Dibenz(a,h)anthracene	0.7	NA	**ND (0.86)**	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	0.29	-
Dibenzofuran	100	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	0.39	-
Diethyl phthalate	10	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-butylphthalate	50	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-octyl phthalate	1000	NA	ND (3.4)	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	ND (0.73)	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-
Fluoranthene	1000	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.76	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	5	-
Fluorene	1000	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	0.55	-
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.23	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	1.2	-
Isophorone	100	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Naphthalene	4	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	0.46	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Phenanthrene	10	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.63	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	4.2	-
Phenol	1	NA	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Pyrene	1000	NA	ND (0.86)	-	-	-	-	-	-	-	-	-	-	1.1	-	ND (0.18)	-	-	-	-	-	-	-	-	-	-	4.3	-
SUM of Semi-Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	-	-	4.51	-	ND	-	-	-	-	-	-	-	-	-	-	29.35	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I7	I7	I8	I8	I8	I8	I8	I8	I9	I9	I9	I9A	I9A	I9A	I10	I10	I11	I11	I12	I12	I12	I12	I12	I12	I12A	I12A
Sample Name			I7_S2_6-8	I7_S6_6-8	I8_S1_0.5-6.0	I8_S2_6.5-8.5	I8_S3_8.5-10.5	I8_S4_10.5-12.5	Y23_S1_4-6	I8_S5_12.5-14.5	I9_S1_8.5-10.5	I9_S2_10.5-12.5	I9_S3_12.5-14.5	I9A_S1_7.0-8.7	I9A_S3_7.0-8.7	I9A_S2_8.7-10.7	I10_S1_7.0-8.7	I10_S2_8.7-10.7	I11_S1_7.0-8.9	I11_S2_8.9-10.9	I12_S2_6.5-7.8	I12_S3_8.5-10.5	X12_S3_8.5-10.5	I12_S4_10.5-12.5	I12_S5_12.5-14.5	I12_S6_14.5-16.5	I12A_S1_6.5-8.9	I12A_S2_6.9-8.9
Sample Date			01/26/2015	01/26/2015	12/20/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/16/2010	12/16/2010	12/16/2010	02/26/2015	02/26/2015	02/26/2015	02/27/2015	02/27/2015	02/27/2015	02/27/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			15A0842-02	15A0842-06	138726-1	138733-1	138733-2	138733-3	138733-5	138733-4	138653-15	138653-16	138653-17	15B0849-01 15B0849-01RE1 15C0184-01	15B0849-03	15B0849-02 15B0849-02RE1	15B0904-01	15B0904-02	15B0901-01	15B0901-02	139155-11	139155-12 139155-12RA1	139155-13 139155-13RA1	139155-14	139155-15 139155-15RA1	139155-16	15A0850-01 15A0850-01RE1	15A0850-02
Sample Depth (bgs)			6 - 8 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	7 - 8.7 (ft)	7 - 8.7 (ft)	8.7 - 10.7 (ft)	7 - 8.7 (ft)	8.7 - 10.7 (ft)	7 - 8.9 (ft)	8.9 - 10.9 (ft)	6.5 - 7.8 (ft)	8.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)
Sample Elevation (ft BCB)			12 to 10	12 to 10	18 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	12 to 10	10 to 8	8 to 6	13.5 to 11.8	13.5 to 11.8	11.8 to 9.8	13.7 to 12	12 to 10	13.9 to 12	12 to 10	14 to 12.7	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	14.4 to 12	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	1400	-	-	-	-	-	-	-	-	-	-	230	-	22	-	-	-	-	-	-	-	-	-	-	500	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	**76**	-	-	-	-	-	-	-	-	-	-	ND (2.8)	-	ND (2.8)	-	-	-	-	-	-	-	-	-	-	ND (2.7)	-
Barium	1000	NA	33	-	-	-	-	-	-	-	-	-	-	48	-	24	-	-	-	-	-	-	-	-	-	-	39	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	2.2	-	-	-	-	-	-	-	-	-	-	0.95	-	0.6	-	-	-	-	-	-	-	-	-	-	ND (0.27)	-
Chromium	100	NA	5.3	-	-	-	-	-	-	-	-	-	-	10	-	10	-	-	-	-	-	-	-	-	-	-	20	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	53	-	-	-	-	-	-	-	-	-	-	130	-	18	-	-	-	-	-	-	-	-	-	-	39	-
Mercury	20	NA	0.065	-	-	-	-	-	-	-	-	-	-	2.8	-	0.036	-	-	-	-	-	-	-	-	-	-	0.094	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	ND (5.1)	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-
Silver	100	NA	ND (0.51)	-	-	-	-	-	-	-	-	-	-	ND (0.57)	-	ND (0.55)	-	-	-	-	-	-	-	-	-	-	ND (0.55)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	**ND (2.3)**	ND (0.11)	**ND (47)**	**ND (2.1)**	**ND (4.8)**	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	**ND (2.3)**	ND (0.11)	**ND (47)**	**ND (2.1)**	**ND (4.8)**	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	**ND (2.3)**	ND (0.11)	**ND (47)**	**ND (2.1)**	**ND (4.8)**	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	**ND (2.3)**	ND (0.11)	**ND (47)**	**ND (2.1)**	**ND (4.8)**	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	0.19	-	**5.4**	ND (0.11)	**230**	**ND (2.1)**	**ND (4.8)**	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	0.14
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.11)	0.081	ND (0.044)	0.09	ND (0.052)	ND (0.052)	ND (0.053)	0.26	ND (0.043)	ND (0.052)	-	0.25	-	**12**	0.37	**350**	**ND (2.1)**	**35**	0.6	**1.9**	0.32	**1.3**	ND (0.052)	-	0.17
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.11)	0.053	0.39	0.16	ND (0.052)	ND (0.052)	ND (0.053)	0.24	ND (0.043)	ND (0.052)	-	0.14	-	**11**	0.67	**200**	**14**	**23**	0.38	**1.2**	0.2	0.75	ND (0.052)	-	0.11
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (2.3)	ND (0.11)	ND (47)	ND (2.1)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (2.3)	ND (0.11)	ND (47)	ND (2.1)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)
SUM of PCBs	1	NA	-	ND	0.134	0.39	0.25	ND	ND	ND	0.5	ND	ND	-	0.58	-	**28.4**	**1.04**	**780**	**14**	**58**	0.98	**3.1**	0.52	**2.05**	ND	-	0.42
Other																												
Percent Solids, vol. (%wt)	NA	NA	97.9	88.7	-	-	-	-	-	-	-	-	-	90.7	91.6	92.1	88.5	91.7	86	93.2	-	-	-	-	-	-	91.4	92.4
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (4)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (3.9)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	-	-	-	-	-	-	-	-	-	-	ND (19)	-	ND (19)	-	-	-	-	-	-	-	-	-	-	ND (19)	-
Oxidation reduction potential (mV)	NA	NA	71	-	-	-	-	-	-	-	-	-	-	100	-	82	-	-	-	-	-	-	-	-	-	-	86	-
Ignitability (PA)	NA	NA	NI	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	NA	NA	9.8	-	-	-	-	-	-	-	-	-	-	8.6	-	8.4	-	-	-	-	-	-	-	-	-	-	11	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I13	I13	I13	I13A	I13A	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I15	I15	I15	I15	I15	I15	I15	I15	I15
Sample Name			I13_S3_4.9-6.9	I13_S4_6.9-7.9	I13_S5_8.9-10.9	I13A_S1_6.5-8.9	I13A_S2_6.9-8.9	I14_S2_6-6.9	I14_S7_6-16	I14_S3_9-9.2	I14_S4_9.5-11	I14_S5_11-13	I14_S6_13-15	I14_S8_15-17	I14_S9_17-19	I14_S10_19-21	I14_S11_21-23	I14_S12_23-25	I15_S3_5.2-10.0	I15_S2_6.6-8.6	I15_S4_8.6-10.6	I15_S5_10.6-12.6	I15_S6_12.6-14.6	I15_S7_14.6-16.6	I15_S8_16.6-18.6	I15_S9_18.6-20.6	I15_S10_20.6-22.6
Sample Date			01/06/2011	01/06/2011	01/06/2011	01/26/2015	01/26/2015	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139017-13	139017-14 139017-14RA1	139017-15	15A0847-01 15A0847-01RE1	15B0271-01	134231-2	134231-39 134231-46 134231-7	134231-3	134231-4	134231-5	134231-6	134231-8	134231-9	134231-10	134231-11	134231-12	134231-15 134231-41 134231-48	134231-14	134231-16	134231-17	134231-18	134231-19	134231-20	134231-21	134231-22
Sample Depth (bgs)			4.9 - 6.9 (ft)	6.9 - 7.9 (ft)	8.9 - 10.9 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	6 - 6.9 (ft)	6 - 16 (ft)	9 - 9.2 (ft)	9.5 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	5.2 - 10 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 13	12 to 10	14.4 to 12	14 to 12	15 to 14.1	15 to 5	12 to 11.8	11.5 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15.5 to 10.7	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	ND (0.076)	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.23)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.0031)	-	-	0.009	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	0.0024	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	ND (0.0076)	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.056)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.0076)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	0.0024	-	-	0.009	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	0.33	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	0.41	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	ND (0.18)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	0.68	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	1.3	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	1.1	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	1.3	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	0.58	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	0.5	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	0.4	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	0.43	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	1.3	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.18)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	0.4	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.72)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	3.3	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	0.39	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	0.69	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	1.1	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	3.1	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	ND (0.36)	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	3	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	19.88	-	-	ND	-	-	-	-	-	-	-	-	-	0.43	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I13	I13	I13	I13A	I13A	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I15	I15	I15	I15	I15	I15	I15	I15	I15
Sample Name			I13_S3_4.9-6.9	I13_S4_6.9-7.9	I13_S5_8.9-10.9	I13A_S1_6.5-8.9	I13A_S2_6.9-8.9	I14_S2_6-6.9	I14_S7_6-16	I14_S3_9-9.2	I14_S4_9.5-11	I14_S5_11-13	I14_S6_13-15	I14_S8_15-17	I14_S9_17-19	I14_S10_19-21	I14_S11_21-23	I14_S12_23-25	I15_S3_5.2-10.0	I15_S2_6.6-8.6	I15_S4_8.6-10.6	I15_S5_10.6-12.6	I15_S6_12.6-14.6	I15_S7_14.6-16.6	I15_S8_16.6-18.6	I15_S9_18.6-20.6	I15_S10_20.6-22.6
Sample Date			01/06/2011	01/06/2011	01/06/2011	01/26/2015	01/26/2015	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139017-13	139017-14 139017-14RA1	139017-15	15A0847-01 15A0847-01RE1	15B0271-01	134231-2	134231-39 134231-46 134231-7	134231-3	134231-4	134231-5	134231-6	134231-8	134231-9	134231-10	134231-11	134231-12	134231-15 134231-41 134231-48	134231-14	134231-16	134231-17	134231-18	134231-19	134231-20	134231-21	134231-22
Sample Depth (bgs)			4.9 - 6.9 (ft)	6.9 - 7.9 (ft)	8.9 - 10.9 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	6 - 6.9 (ft)	6 - 16 (ft)	9 - 9.2 (ft)	9.5 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	5.2 - 10 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 13	12 to 10	14.4 to 12	14 to 12	15 to 14.1	15 to 5	12 to 11.8	11.5 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15.5 to 10.7	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	ND (31)	-	-	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (31)	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	ND (31)	-	-	-	-	-	-	-	-	-	ND (32)	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	3.4	-	-	ND (3.3)	-	-	-	-	-	-	-	-	-	ND (3.2)	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	72	-	-	28	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	ND (0.33)	-	-	-	-	-	-	-	-	-	ND (0.32)	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	0.68	-	-	1.3	-	-	-	-	-	-	-	-	-	0.79	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	8.9	-	-	7.7	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	61	-	-	24	-	-	-	-	-	-	-	-	-	61	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	0.12	-	-	0.047	-	-	-	-	-	-	-	-	-	0.088	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.3)	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	ND (5.1)	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.3)	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	ND (0.51)	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.3)	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	64	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	0.41	ND (0.041)	-	0.52	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	0.24	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	0.12	0.65	ND (0.047)	-	0.54	ND (0.041)	-	ND (0.22)	0.055	ND (0.042)	0.17	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	0.29	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	0.074	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	0.075	0.34	ND (0.047)	-	0.29	ND (0.041)	-	0.47	ND (0.042)	ND (0.042)	0.13	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	0.14	0.2	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	0.061	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.052)
SUM of PCBs	1	NA	0.195	0.99	ND	-	**1.24**	ND	-	0.99	0.055	ND	0.3	ND	ND	ND	ND	ND	-	0.38	0.49	ND	ND	ND	ND	0.135	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	93.6	93.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (4)	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (20)	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	11	-	-	8.1	-	-	-	-	-	-	-	-	-	8.5	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I15	I16	I16	I16	I16	I16	I16	I16	I16	I16	I16	I17	I17	I17	I17	I17	I17	I17	I17	I17	I17	I17	I18	I18	I18
Sample Name			I15_S11_22.6-24.6	I16_S2_4.8-6.4	I16_S4_4.8-12.4	I16_S3_6.4-8.4	I16_S5_8.4-10.4	I16_S6_12.4-14.4	I16_S7_14.4-16.4	I16_S8_16.4-18.4	I16_S9_20.4-22.4	I16_S10_22.4-24.0	I16_S11_24-24.4	I17_S2_4.6-6.3	I17_S3_6.3-8.3	I17_S7_4.6-14.3	I17_S4_8.3-10.3	I17_S5_10.3-12.3	I17_S6_12.3-14.3	I17_S8_14.3-16.3	I17_S9_16.3-18.3	I17_S10_18.3-20.3	I17_S11_20.3-22.3	I17_S12_22.3-24.3	I18_S2_6-8	I18_S7_6-16	I18_S3_8-10
Sample Date			06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	07/21/2010	07/21/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	12/17/2010	12/17/2010	12/17/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			134231-30 134231-44 134231-51											134948-10 134948-11									138690-45 138690-56 138690-68		
Lab Sample ID			134231-23	134231-28	134366-2	134231-29	134231-31	134231-32	134231-33	134231-34	134231-35	134231-36	134231-37	134943-22	134943-23	134948-9	134948-1	134948-2	134948-3	134948-4	134948-5	134948-6	134948-7	134948-8	138690-13	138879-5	138690-14
Sample Depth (bgs)			22.6 - 24.6 (ft)	4.8 - 6.4 (ft)	4.8 - 12.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24 (ft)	24 - 24.4 (ft)	4.6 - 6.3 (ft)	6.3 - 8.3 (ft)	4.6 - 14.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	22.3 - 24.3 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)
Sample Elevation (ft BCB)			-1.9 to -3.9	15.6 to 14	15.6 to 8	14 to 12	12 to 10	8 to 6	6 to 4	4 to 2	0 to -2	-2 to -3.6	-3.6 to -4	15.7 to 14	14 to 12	15.7 to 6	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14 to 12	14 to 4	12 to 10
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Acetone	6	NA	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.24)	-
Benzene	2	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Chlorobenzene	1	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Ethylbenzene	40	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Isopropylbenzene	1000	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
m,p-Xylenes	NA	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Methylene chloride	0.1	NA	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.06)	-
Naphthalene	4	NA	-	-	0.011	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
n-Propylbenzene	100	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
o-Xylene	NA	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Styrene	3	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Tetrachloroethene	1	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Toluene	30	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Trichloroethene	0.3	NA	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	0.011	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
1,2-Dichlorobenzene	9	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
1,3-Dichlorobenzene	3	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
1,4-Dichlorobenzene	0.7	NA	-	-	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
2,4-Dimethylphenol	0.7	NA	-	-	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
2,4-Dinitrotoluene	0.7	NA	-	-	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
2-Chloronaphthalene	1000	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
2-Methylnaphthalene	0.7	NA	-	-	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
2-Methylphenol	500	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
3&4-Methylphenol	NA	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Acenaphthene	4	NA	-	-	2.4	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.67	-
Acenaphthylene	1	NA	-	-	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Acetophenone	NA	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Aniline	NA	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Anthracene	1000	NA	-	-	3.1	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	1.6	-
Benzo(a)anthracene	7	NA	-	-	**9.6**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	2.5	-
Benzo(a)pyrene	2	NA	-	-	**8.7**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	**2**	-
Benzo(b)fluoranthene	7	NA	-	-	**12**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	2.4	-
Benzo(g,h,i)perylene	1000	NA	-	-	4.7	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.87	-
Benzo(k)fluoranthene	70	NA	-	-	4.9	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.78	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Butyl benzylphthalate	100	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Carbazole	NA	NA	-	-	3.2	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Chrysene	70	NA	-	-	9.9	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	2.3	-
Dibenz(a,h)anthracene	0.7	NA	-	-	**1.7**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Dibenzofuran	100	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.47	-
Diethyl phthalate	10	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Di-n-butylphthalate	50	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Di-n-octyl phthalate	1000	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Fluoranthene	1000	NA	-	-	21	-	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	5.3	-
Fluorene	1000	NA	-	-	1.9	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.85	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	5.7	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	1	-
Isophorone	100	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Naphthalene	4	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Pentachlorophenol	3	NA	-	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Phenanthrene	10	NA	-	-	**16**	-	-	-	-	-	-	-	-	-	-	0.46	-	-	-	-	-	-	-	-	-	5.4	-
Phenol	1	NA	-	-	**ND (1.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.39)	-
Pyrene	1000	NA	-	-	17	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-	-	-	-	5	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	121.8	-	-	-	-	-	-	-	-	-	-	1.42	-	-	-	-	-	-	-	-	-	31.14	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I15	I16	I16	I16	I16	I16	I16	I16	I16	I16	I16	I17	I17	I17	I17	I17	I17	I17	I17	I17	I17	I17	I18	I18	I18
Sample Name			I15_S11_22.6-24.6	I16_S2_4.8-6.4	I16_S4_4.8-12.4	I16_S3_6.4-8.4	I16_S5_8.4-10.4	I16_S6_12.4-14.4	I16_S7_14.4-16.4	I16_S8_16.4-18.4	I16_S9_20.4-22.4	I16_S10_22.4-24.0	I16_S11_24-24.4	I17_S2_4.6-6.3	I17_S3_6.3-8.3	I17_S4_8.3-10.3	I17_S5_10.3-12.3	I17_S6_12.3-14.3	I17_S8_14.3-16.3	I17_S9_16.3-18.3	I17_S10_18.3-20.3	I17_S11_20.3-22.3	I17_S12_22.3-24.3	I18_S2_6-8	I18_S7_6-16	I18_S3_8-10
Sample Date			06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	07/21/2010	07/21/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	12/17/2010	12/17/2010	12/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134231-23	134231-28	134231-30 134231-44 134231-51 134366-2	134231-29	134231-31	134231-32	134231-33	134231-34	134231-35	134231-36	134231-37	134943-22	134943-23	134948-1	134948-2	134948-3	134948-4	134948-5	134948-6	134948-7	134948-8	138690-13	138690-45 138690-56 138690-68 138879-5	138690-14
Sample Depth (bgs)			22.6 - 24.6 (ft)	4.8 - 6.4 (ft)	4.8 - 12.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	20.4 - 22.4 (ft)	-2 to -3.6	24 - 24.4 (ft)	4.6 - 6.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	22.3 - 24.3 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)
Sample Elevation (ft BCB)			-1.9 to -3.9	15.6 to 14	15.6 to 8	14 to 12	12 to 10	8 to 6	6 to 4	4 to 2	0 to -2	-2 to -3.6	-3.6 to -4	15.7 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14 to 12	14 to 4	12 to 10
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	740	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	200	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	920	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	280	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	1600	-	-	-	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	37	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	37	-	-	-	-	-	-	-	-	-	-	ND (32)	-	-	-	-	-	-	-	-	ND (24)	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	3.9	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	ND (1.2)	-
Arsenic	20	NA	-	-	ND (3.1)	-	-	-	-	-	-	-	-	-	-	ND (3.4)	-	-	-	-	-	-	-	-	4.7	-
Barium	1000	NA	-	-	62	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	70	-
Beryllium	90	NA	-	-	ND (0.31)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	ND (0.37)	-
Cadmium	70	NA	-	-	4.7	-	-	-	-	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-	-	1.7	-
Chromium	100	NA	-	-	22	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	24	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	**500**	-	-	-	-	-	-	-	-	-	-	96	-	-	-	-	-	-	-	-	140	-
Mercury	20	NA	-	-	0.52	-	-	-	-	-	-	-	-	-	-	0.42	-	-	-	-	-	-	-	-	3.8	-
Nickel	600	NA	-	-	19	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	16	-
Selenium	400	NA	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	-	-	-	-	-	-	ND (6.2)	-
Silver	100	NA	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (1.2)	-
Thallium	8	NA	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	ND (6.2)	-
Vanadium	400	NA	-	-	43	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-	36	-
Zinc	1000	NA	-	-	430	-	-	-	-	-	-	-	-	-	-	380	-	-	-	-	-	-	-	-	110	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.065)	**ND (4.4)**	-	**ND (4.2)**	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.065)	**ND (4.4)**	-	**ND (4.2)**	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.065)	**ND (4.4)**	-	**ND (4.2)**	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.065)	**ND (4.4)**	-	**ND (4.2)**	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.065)	**ND (4.4)**	-	**ND (4.2)**	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.065)	**16**	-	**15**	0.12	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	**6.2**	**3.3**	-	0.19	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.065)	**13**	-	**8.7**	0.071	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	**4.7**	**2.4**	-	0.15	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	0.18
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.065)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.065)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.049)	-	ND (0.046)
SUM of PCBs	1	NA	ND	**29**	-	**23.7**	0.191	ND	ND	ND	ND	ND	ND	**10.9**	**5.7**	-	0.34	ND	ND	ND	ND	ND	ND	ND	ND	-	0.18
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	8.5	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-	-	-	7	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	1.7	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I18	I18	I18	I18	I18	I18	I18	I18	I19	I19	I19	I19	J3	J3	J3	J3	J4	J4	J4	J4	J5	J5	J5	J5	J6	J6	J6
Sample Name			I18_S4_10-12	I18_S5_12-14	I18_S5_12-14	I18_S6_14-16	I18_S8_16-18	I18_S9_18-20	I18_S10_20-22	I18_S11_22-24	I19_S1_2.8-3.8	I19_S2_3.8-5.8	I19_S3_5.8-7.8	I19_S4_7.8-9.8	J3_S1_0.9-1.9	J3_S2_1.9-3.9	J3_S3_3.9-5.9	J3_S4_5.9-7.9	J4_S1_1.3-2.3'	J4_S2_2.3-4.3'	J4_S3_4.3-6.3'	J4_S4_6.3-8.3'	J5_S1_1.7-2.7'	J5_S2_2.7-4.7'	J5_S3_4.7-6.7'	J5_S4_6.7-8.7'	J6_S1_2.0-3.0	J6_S2_3-5.0	J6_S3_5-7.0
Sample Date			12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/19/2015	11/19/2015	11/19/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																											
Lab Sample ID			138690-15	138690-16	138690-17	138690-18	138690-19	138690-20	138690-5	138690-6	15K1003-18	15K1003-19	15K1003-20	15K1005-01	15K0891-01	15K0891-02	15K0891-03	15K0891-04	15K0836-07	15K0836-08	15K0836-09	15K0836-10	15K0837-18	15K0837-19	15K0837-20	15K0838-01	15K0898-20	15K0901-01	15K0901-02
Sample Depth (bgs)			10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	2 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			I18	I18	I18	I18	I18	I18	I18	I18	I19	I19	I19	I19	J3	J3	J3	J3	J4	J4	J4	J4	J5	J5	J5	J5	J6	J6	J6
Sample Name			I18_S4_10-12	I18_S5_12-14	X18_S5_12-14	I18_S6_14-16	I18_S8_16-18	I18_S9_18-20	I18_S10_20-22	I18_S11_22-24	I19_S1_2.8-3.8	I19_S2_3.8-5.8	I19_S3_5.8-7.8	I19_S4_7.8-9.8	J3_S1_0.9-1.9	J3_S2_1.9-3.9	J3_S3_3.9-5.9	J3_S4_5.9-7.9	J4_S1_1.3-2.3'	J4_S2_2.3-4.3'	J4_S3_4.3-6.3'	J4_S4_6.3-8.3'	J5_S1_1.7-2.7'	J5_S2_2.7-4.7'	J5_S3_4.7-6.7'	J5_S4_6.7-8.7'	J6_S1_2.0-3.0	J6_S2_3-5.0	J6_S3_5-7.0
Sample Date			12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/19/2015	11/19/2015	11/19/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																											
Lab Sample ID			138690-15	138690-16	138690-17	138690-18	138690-19	138690-20	138690-5	138690-6	15K1003-18	15K1003-19	15K1003-20	15K1005-01	15K0891-01	15K0891-02	15K0891-03	15K0891-04	15K0836-07	15K0836-08	15K0836-09	15K0836-10	15K0837-18	15K0837-19	15K0837-20	15K0838-01	15K0898-20	15K0901-01	15K0901-02
Sample Depth (bgs)			10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	2 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	0.14	**4.3**	ND (0.12)	ND (0.12)	ND (0.11)	0.15	ND (0.12)	ND (0.1)	**3.3**	0.16	ND (0.1)	ND (0.11)	0.58	**1.8**	0.21	0.12	0.33	ND (0.12)	ND (0.11)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	**6.7**	ND (0.12)	ND (0.12)	0.17	0.25	ND (0.12)	ND (0.1)	**2.3**	0.18	ND (0.1)	ND (0.11)	0.53	**1.1**	0.43	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	**4.8**	ND (0.12)	ND (0.12)	ND (0.11)	0.16	ND (0.12)	ND (0.1)	0.69	ND (0.11)	ND (0.1)	ND (0.11)	0.16	ND (0.44)	0.85	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.14	**15.8**	ND	ND	0.17	0.56	ND	ND	**6.29**	0.34	ND	ND	**1.27**	**2.9**	**1.49**	0.12	0.33	ND	ND
Other																													
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	86.3	89.7	83.3	80.1	86.7	89.4	82.8	97.1	87.7	87.4	94.4	93.4	88.9	88.5	84.2	89.1	86.3	79.1	91
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J6	J7	J7	J7	J7	J7	J8	J8	J8	J8	J8	J8	J8	J8	J8	J9	J9	J9	J9	J9	J10	J10	J11	J11	J11	J11	J11	J11	J11A	J11A
Sample Name			J6_S4_7-9.0	J7_S1_7.0-8.0	J7_S3_7-8	J7_S2_8-10	J7_S4_8-10	J7_S5_10-12	J8_S1_0-8	J8_S3_4-6	Z5_S1_4-6	J8_S4_6-8	Z5_S2_6-8	J8_S2_8-10	J8_S5_8-10	Z5_S3_8-10	J8A_S1_9.8-11.8	J9_S1_6-8	J9_S3_6-8	J9_S2_8-10	J9_S4_8-10	J10_S1_6-8	J10_S2_8-10	J11_S2_4.5-5.0	J11_S3_6.5-8.0	J11_S4_8.5-10.5	J11_S5_10.5-12.5	J11_S6_12.5-14.5	J11_S7_14.5-16.5	J11A_S1_5-8	J11A_S2_5-6
Sample Date			11/19/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	11/23/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K0901-03	15C0148-01	15C0148-03	15C0148-02	15C0148-04	15C0528-01	15A0844-01 15A0844-01RE1 15B0011-01	15A0844-03	15A0845-01	15A0844-04	15A0845-02	15A0844-02 15A0844-02RE1 15B0011-02	15A0844-05	15A0845-03	15K1070-09	15A0843-01 15B0010-01	15A0843-03	15A0843-02 15A0843-02RE1	15A0843-04	15A0881-01 15A0881-01RE1	15A0881-02	139155-2	139155-3	139155-4	139155-5 139155-5RA1	139155-6	139155-7	15A0848-01 15B0014-01	15A0848-02
Sample Depth (bgs)			7 - 9 (ft)	7 - 8 (ft)	7 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	0 - 8 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	8 - 10 (ft)	9.8 - 11.8 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	4.5 - 5 (ft)	6.5 - 8 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	5 - 8 (ft)	5 - 6 (ft)
Sample Elevation (ft BCB)			12 to 10	11.1 to 10.1	11.1 to 10.1	10.1 to 8.1	10.1 to 8.1	8.1 to 6.1	20 to 12	16 to 14	16 to 14	14 to 12	14 to 12	12 to 10	12 to 10	12 to 10	10 to 8	14.2 to 12.2	14.2 to 12.2	12.2 to 10.2	12.2 to 10.2	14.5 to 12.5	12.5 to 10.5	16 to 15.5	14 to 12.5	12 to 10	10 to 8	8 to 6	6 to 4	15.6 to 12.6	15.6 to 14.6
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																																
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	0.0012	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Acetone	6	NA	-	ND (0.054)	-	ND (0.053)	-	-	ND (0.064)	-	-	-	-	ND (0.083)	-	-	-	ND (0.058)	-	ND (0.057)	-	-	-	-	-	-	-	-	-	ND (0.086)	-
Benzene	2	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Chlorobenzene	1	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Ethylbenzene	40	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Isopropylbenzene	1000	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
m,p-Xylenes	NA	NA	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-
Methylene chloride	0.1	NA	-	ND (0.0054)	-	ND (0.0053)	-	-	ND (0.0064)	-	-	-	-	ND (0.0083)	-	-	-	0.0062	-	ND (0.0057)	-	-	-	-	-	-	-	-	-	ND (0.0086)	-
Naphthalene	4	NA	-	ND (0.0054)	-	ND (0.0053)	-	-	ND (0.0064)	-	-	-	-	ND (0.0083)	-	-	-	0.11	-	ND (0.0057)	-	-	-	-	-	-	-	-	-	ND (0.0086)	-
n-Propylbenzene	100	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-
o-Xylene	NA	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Styrene	3	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Tetrachloroethene	1	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Toluene	30	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
Trichloroethene	0.3	NA	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	ND	-	-	ND	-	-	-	-	ND	-	-	-	0.1174	-	ND	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																																
1,2,4-Trichlorobenzene	2	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	0.86	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,2-Dichlorobenzene	9	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,3-Dichlorobenzene	3	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	0.61	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Chloronaphthalene	1000	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Methylnaphthalene	0.7	NA	-	ND (0.21)	-	ND (0.21)	-	-	0.63	-	-	-	-	0.24	-	-	-	0.2	-	ND (0.2)	-	-	-	-	-	-	-	-	-	0.27	-
2-Methylphenol	500	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
3&4-Methylphenol	NA	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	0.77	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Acenaphthene	4	NA	-	ND (0.21)	-	ND (0.21)	-	-	2.7	-	-	-	-	0.24	-	-	-	0.34	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Acenaphthylene	1	NA	-	ND (0.21)	-	ND (0.21)	-	-	ND (0.19)	-	-	-	-	0.59	-	-	-	0.22	-	0.89	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Acetophenone	NA	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Aniline	NA	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Anthracene	1000	NA	-	ND (0.21)	-	ND (0.21)	-	-	5.2	-	-	-	-	0.9	-	-	-	0.8	-	1.4	-	-	-	-	-	-	-	-	-	0.4	-
Benzo(a)anthracene	7	NA	-	ND (0.21)	-	ND (0.21)	-	-	**7.7**	-	-	-	-	4.9	-	-	-	1.9	-	**7.4**	-	-	-	-	-	-	-	-	-	0.88	-
Benzo(a)pyrene	2	NA	-	ND (0.21)	-	ND (0.21)	-	-	**7.4**	-	-	-	-	**4.5**	-	-	-	1.6	-	**7.5**	-	-	-	-	-	-	-	-	-	0.79	-
Benzo(b)fluoranthene	7	NA	-	ND (0.21)	-	ND (0.21)	-	-	**7.3**	-	-	-	-	4.9	-	-	-	2.1	-	**7.4**	-	-	-	-	-	-	-	-	-	0.97	-
Benzo(g,h,i)perylene	1000	NA	-	ND (0.21)	-	ND (0.21)	-	-	4.1	-	-	-	-	2.4	-	-	-	1.1	-	4.5	-	-	-	-	-	-	-	-	-	0.46	-
Benzo(k)fluoranthene	70	NA	-	ND (0.21)	-	ND (0.21)	-	-	3	-	-	-	-	2	-	-	-	0.79	-	3.2	-	-	-	-	-	-	-	-	-	0.38	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	0.4	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.51	-
Butyl benzylphthalate	100	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	0.59	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	0.23	-	ND (0.21)	-	-	7.2	-	-	-	-	4.3	-	-	-	1.8	-	6.5	-	-	-	-	-	-	-	-	-	0.92	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.21)	-	ND (0.21)	-	-	**1.1**	-	-	-	-	0.65	-	-	-	0.31	-	**1**	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Dibenzofuran	100	NA	-	ND (0.42)	-	ND (0.42)	-	-	1.7	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Diethyl phthalate	10	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-butylphthalate	50	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-octyl phthalate	1000	NA	-	ND (0.82)	-	ND (0.83)	-	-	ND (0.75)	-	-	-	-	ND (0.83)	-	-	-	ND (0.71)	-	ND (0.8)	-	-	-	-	-	-	-	-	-	ND (0.74)	-
Fluoranthene	1000	NA	-	0.47	-	0.38	-	-	19	-	-	-	-	8.5	-	-	-	4	-	13	-	-	-	-	-	-	-	-	-	2.1	-
Fluorene	1000	NA	-	ND (0.21)	-	ND (0.21)	-	-	2.4	-	-	-	-	0.38	-	-	-	0.34	-	ND (0.2)	-	-	-	-	-	-	-	-	-	0.21	-
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.21)	-	ND (0.21)	-	-	5	-	-	-	-	3.2	-	-	-	1.4	-	5.3	-	-	-	-	-	-	-	-	-	0.53	-
Isophorone	100	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Naphthalene	4	NA	-	ND (0.21)	-	ND (0.21)	-	-	1.3	-	-	-	-	0.73	-	-	-	0.4	-	1.1	-	-	-	-	-	-	-	-	-	0.73	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Phenanthrene	10	NA	-	0.51	-	0.33	-	-	**17**	-	-	-	-	3.5	-	-	-	2.9	-	4.3	-	-	-	-	-	-	-	-	-	1.7	-
Phenol	1	NA	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Pyrene	1000	NA	-	0.46	-	0.38	-	-	16	-	-	-	-	7.6	-	-	-	3.8	-	12	-	-	-	-	-	-	-	-	-	2	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	1.67	-	1.09	-	-	108.73	-	-	-	-	51.77	-	-	-	24.99	-	75.49	-	-	-	-	-	-	-	-	-	12.85	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J6	J7	J7	J7	J7	J7	J8	J8	J8	J8	J8	J8	J8	J8	J8A	J9	J9	J9	J9	J10	J10	J11	J11	J11	J11	J11	J11	J11A	J11A
Sample Name			J6_S4_7-9.0	J7_S1_7.0-8.0	J7_S3_7-8	J7_S2_8-10	J7_S4_8-10	J7_S5_10-12	J8_S1_0-8	J8_S3_4-6	Z5_S1_4-6	J8_S4_6-8	Z5_S2_6-8	J8_S2_8-10	J8_S5_8-10	Z5_S3_8-10	J8A_S1_9.8-11.8	J9_S1_6-8	J9_S3_6-8	J9_S2_8-10	J9_S4_8-10	J10_S1_6-8	J10_S2_8-10	J11_S2_4.5-5.0	J11_S3_6.5-8.0	J11_S4_8.5-10.5	J11_S5_10.5-12.5	J11_S6_12.5-14.5	J11_S7_14.5-16.5	J11A_S1_5-8	J11A_S2_5-6
Sample Date			11/19/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	11/23/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K0901-03	15C0148-01	15C0148-03	15C0148-02	15C0148-04	15C0528-01	15A0844-01 15A0844-01RE1 15B0011-01	15A0844-03	15A0845-01	15A0844-04	15A0845-02	15A0844-02 15A0844-02RE1 15B0011-02	15A0844-05	15A0845-03	15K1070-09	15A0843-01 15B0010-01	15A0843-03	15A0843-02 15A0843-02RE1	15A0843-04	15A0881-01 15A0881-01RE1	15A0881-02	139155-2	139155-3	139155-4	139155-5 139155-5RA1	139155-6	139155-7	15A0848-01 15B0014-01	15A0848-02
Sample Depth (bgs)			7 - 9 (ft)	7 - 8 (ft)	7 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	0 - 8 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	8 - 10 (ft)	9.8 - 11.8 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	4.5 - 5 (ft)	6.5 - 8 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	5 - 8 (ft)	5 - 6 (ft)
Sample Elevation (ft BCB)			12 to 10	11.1 to 10.1	11.1 to 10.1	10.1 to 8.1	10.1 to 8.1	8.1 to 6.1	20 to 12	16 to 14	16 to 14	14 to 12	14 to 12	12 to 10	12 to 10	12 to 10	10 to 8	14.2 to 12.2	14.2 to 12.2	12.2 to 10.2	12.2 to 10.2	14.5 to 12.5	12.5 to 10.5	16 to 15.5	14 to 12.5	12 to 10	10 to 8	8 to 6	6 to 4	15.6 to 12.6	15.6 to 14.6
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																															
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	120	-	62	-	-	420	-	-	-	-	1400	-	-	-	660	-	320	-	-	-	-	-	-	-	-	-	690	-
EPH (mg/kg)																															
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																															
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	**21**	-	6.1	-	-	6.1	-	-	-	-	5.6	-	-	-	6.5	-	3.5	-	-	-	-	-	-	-	-	-	ND (2.9)	-
Barium	1000	NA	-	56	-	45	-	-	62	-	-	-	-	150	-	-	-	150	-	74	-	-	-	-	-	-	-	-	-	86	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	0.97	-	0.62	-	-	0.86	-	-	-	-	7.7	-	-	-	2.3	-	0.67	-	-	-	-	-	-	-	-	-	1.3	-
Chromium	100	NA	-	16	-	21	-	-	23	-	-	-	-	17	-	-	-	33	-	5.7	-	-	-	-	-	-	-	-	-	29	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	52	-	56	-	-	110	-	-	-	-	**3600**	-	-	-	**1700**	-	78	-	-	-	-	-	-	-	-	-	**570**	-
Mercury	20	NA	-	0.2	-	0.069	-	-	0.56	-	-	-	-	0.7	-	-	-	1	-	0.24	-	-	-	-	-	-	-	-	-	0.14	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (6)	-	ND (6.1)	-	-	ND (5.2)	-	-	-	-	ND (6)	-	-	-	ND (5.8)	-	ND (5.9)	-	-	-	-	-	-	-	-	-	ND (5.8)	-
Silver	100	NA	-	ND (0.6)	-	ND (0.61)	-	-	ND (0.52)	-	-	-	-	ND (0.6)	-	-	-	ND (0.58)	-	ND (0.59)	-	-	-	-	-	-	-	-	-	ND (0.58)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																															
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	0.085	-	-	-	-	63	-	-	-	0.084	-	-	-	-	-	-	-	-	-	-	-	0.047	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																															
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	**ND (11)**	ND (0.46)	-	**ND (55)**	**ND (120)**	ND (0.12)	-	**ND (1.1)**	-	ND (0.12)	**ND (1100)**	**ND (1.4)**	ND (0.045)	**ND (45)**	**ND (5)**	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	**ND (11)**	ND (0.46)	-	**ND (55)**	**ND (120)**	ND (0.12)	-	**ND (1.1)**	-	ND (0.12)	**ND (1100)**	**ND (1.4)**	ND (0.045)	**ND (45)**	**ND (5)**	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	**ND (11)**	ND (0.46)	-	**ND (55)**	**ND (120)**	ND (0.12)	-	**ND (1.1)**	-	ND (0.12)	**ND (1100)**	**ND (1.4)**	ND (0.045)	**ND (45)**	**ND (5)**	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	**ND (11)**	ND (0.46)	-	**ND (55)**	**ND (120)**	ND (0.12)	-	**ND (1.1)**	-	ND (0.12)	**ND (1100)**	**ND (1.4)**	ND (0.045)	**ND (45)**	**ND (5)**	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	**ND (11)**	ND (0.46)	-	**ND (55)**	**ND (120)**	ND (0.12)	-	**ND (1.1)**	-	ND (0.12)	**ND (1100)**	**ND (1.4)**	ND (0.045)	**ND (45)**	**ND (5)**	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	**1.3**	**31**	**1.1**	-	**ND (55)**	**200**	0.25	-	**2.7**	-	ND (0.12)	**9800**	**4.3**	0.57	**320**	**ND (5)**	**3.7**	ND (0.049)	ND (0.049)	-	0.42
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	**3**	**70**	**2.9**	-	**450**	**580**	0.94	-	**4.8**	-	ND (0.12)	**1200**	**5.1**	0.33	**200**	**27**	**2.2**	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (1100)	ND (1.4)	ND (0.045)	ND (45)	ND (5)	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (1100)	ND (1.4)	ND (0.045)	ND (45)	ND (5)	ND (0.047)	ND (0.049)	ND (0.049)	-	ND (0.1)
SUM of PCBs	1	NA	ND	-	ND	-	ND	ND	-	ND	**4.3**	**101**	**4**	-	**450**	**780**	**1.19**	-	**7.5**	-	ND	**11000**	**9.4**	0.9	**520**	**27**	**5.9**	ND	ND	-	0.42
Other																															
Percent Solids, vol. (%wt)	NA	NA	90.7	81.3	86	81	83.7	81.1	89.1	88	89.5	93.4	87.4	81.1	90.5	83.5	80.8	94	91.2	83	82.3	89.2	70.2	-	-	-	-	-	-	90.5	96.1
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (4)	-	ND (4)	-	-	ND (3.9)	-	-	-	-	ND (3.9)	-	-	-	ND (3.9)	-	ND (4)	-	-	-	-	-	-	-	-	-	ND (4)	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	ND (20)	-	-	ND (20)	-	-	-	-	ND (20)	-	-	-	ND (20)	-	ND (20)	-	-	-	-	-	-	-	-	-	ND (20)	-
Oxidation reduction potential (mV)	NA	NA	-	73	-	86	-	-	91	-	-	-	-	78	-	-	-	98	-	67	-	-	-	-	-	-	-	-	-	73	-
Ignitability (PA)	NA	NA	-	NI	-	NI	-	-	NI	-	-	-	-	NI	-	-	-	NI	-	NI	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	NA	NA	-	7.3	-	8.4	-	-	8.6	-	-	-	-	7.7	-	-	-	7.6	-	7.6	-	-	-	-	-	-	-	-	-	11	-
VPH (mg/kg)																															
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J12	J12	J12	J12	J12	J12A	J13	J13	J13	J13	J13	J13	J13A	J14	J14	J14	J14	J14	J14	J14	J14	J14	J15	J15
Sample Name			J12_S2_4.5-6.5	J12_S3_6.5-8.5	J12_S4_8.5-10.5	J12_S5_10.5-12.5	J12_S6_12.5-14.5	J12A_S1_5-8	J13_S1_4.5-5.5	J13_S2_6.5-8.5	Y25_S1_4-6	J13_S3_8.5-10.5	J13_S4_10.5-12.5	J13_S5_12.5-14.5	J13A_S1_5-8.5	J14_S2_5-6.6	J14_S5_5-10.6	J14_S3_7-8.6	J14_S4_8.6-10.6	J14_S6_12.6-14.6	J14_S7_14.6-16.6	J14_S8_16.6-18.6	J14_S9_18.6-20.6	J14_S10_20.6-22.6	J14_S11_22.6-24.6	J15_S2_4.5-6.5	J15_S3_6.5-8.5
Sample Date			12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/26/2015	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/26/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/23/2010	06/23/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138765-11	138765-12	138765-13	138765-14	138765-15 138765-15RA1	15A0846-01 15B0013-01	138980-5	138980-6	138980-10	138980-7	138980-8	138980-9	15A0851-01	134271-46	134271-63 134271-74 134271-85 134440-12 134440-8	134271-47	134271-48 134271-48RA1	134271-49	134271-50	134271-51	134271-52	134271-39	134271-40	134231-25	134231-26
Sample Depth (bgs)			4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	5 - 8 (ft)	4.5 - 5.5 (ft)	6.5 - 8.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.1 to 8.1	8.1 to 6.1	5 - 8.5 (ft)	5 - 6.6 (ft)	5 - 10.6 (ft)	7 - 8.6 (ft)	8.6 - 10.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24.6 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	15.5 to 12.5	16.1 to 15.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.6 to 12.1	15.6 to 14	15.6 to 10	13.6 to 12	12 to 10	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	-	ND (0.0045)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	-	ND (0.0045)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	0.0031	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	ND (0.09)	-	-	-	-	-	-	ND (0.11)	-	ND (0.26)	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	-	ND (0.0045)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	0.0029	-	0.008	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	-	ND (0.0045)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	-	ND (0.0045)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.009)	-	-	-	-	-	-	ND (0.011)	-	ND (0.064)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.009)	-	-	-	-	-	-	0.015	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0045)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	0.0029	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	ND (0.0023)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	-	-	-	-	-	0.0239	-	0.008	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	**ND (0.76)**	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	0.48	-	-	-	-	-	-	0.34	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	0.44	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	0.24	-	-	-	-	-	-	ND (0.22)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	ND (0.22)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	0.68	-	-	-	-	-	-	0.45	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	1.2	-	-	-	-	-	-	1.1	-	0.59	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	0.96	-	-	-	-	-	-	0.92	-	0.47	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	1.1	-	-	-	-	-	-	1.1	-	0.8	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	0.54	-	-	-	-	-	-	0.53	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	0.47	-	-	-	-	-	-	0.44	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	0.55	-	-	-	-	-	-	0.9	-	0.63	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	1.2	-	-	-	-	-	-	1.2	-	0.62	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	ND (0.22)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	0.44	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	ND (0.86)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	3.3	-	-	-	-	-	-	2.7	-	1.5	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	0.37	-	-	-	-	-	-	0.25	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	0.68	-	-	-	-	-	-	0.56	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	1.8	-	-	-	-	-	-	1.2	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	0.58	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	3.3	-	-	-	-	-	-	2	-	1.3	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	ND (0.44)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	3.1	-	-	-	-	-	-	2.6	-	1.3	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	20.99	-	-	-	-	-	-	16.73	-	7.21	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J12	J12	J12	J12	J12	J12A	J13	J13	J13	J13	J13	J13	J13A	J14	J14	J14	J14	J14	J14	J14	J14	J14	J15	J15
Sample Name			J12_S2_4.5-6.5	J12_S3_6.5-8.5	J12_S4_8.5-10.5	J12_S5_10.5-12.5	J12_S6_12.5-14.5	J12A_S1_5-8	J13_S1_4.5-5.5	J13_S2_6.5-8.5	Y25_S1_4-6	J13_S3_8.5-10.5	J13_S4_10.5-12.5	J13_S5_12.5-14.5	J13A_S1_5-8.5	J14_S2_5-6.6	J14_S5_5-10.6	J14_S3_7-8.6	J14_S4_8.6-10.6	J14_S6_12.6-14.6	J14_S7_14.6-16.6	J14_S8_16.6-18.6	J14_S9_18.6-20.6	J14_S10_20.6-22.6	J14_S11_22.6-24.6	J15_S2_4.5-6.5	J15_S3_6.5-8.5
Sample Date			12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/26/2015	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/26/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/23/2010	06/23/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138765-11	138765-12	138765-13	138765-14	138765-15 138765-15RA1	15A0846-01 15B0013-01	138980-5	138980-6	138980-10	138980-7	138980-8	138980-9	15A0851-01	134271-46	134271-63 134271-74 134271-85 134440-12 134440-8	134271-47	134271-48 134271-48RA1	134271-49	134271-50	134271-51	134271-52	134271-39	134271-40	134231-25	134231-26
Sample Depth (bgs)			4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	5 - 8 (ft)	4.5 - 5.5 (ft)	6.5 - 8.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	5 - 8.5 (ft)	5 - 6.6 (ft)	5 - 10.6 (ft)	7 - 8.6 (ft)	8.6 - 10.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24.6 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	15.5 to 12.5	16.1 to 15.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.6 to 12.1	15.6 to 14	15.6 to 10	13.6 to 12	12 to 10	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	330	-	-	-	-	-	-	410	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	ND (3)	-	-	-	-	-	-	ND (3.2)	-	4.2	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	79	-	-	-	-	-	-	88	-	130	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	0.66	-	-	-	-	-	-	0.4	-	5.5	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	9.5	-	-	-	-	-	-	17	-	39	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	100	-	-	-	-	-	-	88	-	**1000**	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	0.15	-	-	-	-	-	-	0.093	-	4.9	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	ND (6)	-	-	-	-	-	-	ND (6.4)	-	ND (5.8)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	ND (0.6)	-	-	-	-	-	-	ND (0.64)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	540	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	0.096	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.048)	**ND (25)**	**ND (46)**	**ND (1.3)**	ND (0.048)	-	**ND (4.4)**	**ND (4.7)**	**ND (4.6)**	ND (0.048)	ND (0.077)	ND (0.049)	-	**ND (490)**	-	**ND (1)**	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	ND (0.45)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.048)	**ND (25)**	**ND (46)**	**ND (1.3)**	ND (0.048)	-	**ND (4.4)**	**ND (4.7)**	**ND (4.6)**	ND (0.048)	ND (0.077)	ND (0.049)	-	**ND (490)**	-	**ND (1)**	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	ND (0.45)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.048)	**ND (25)**	**ND (46)**	**ND (1.3)**	ND (0.048)	-	**ND (4.4)**	**ND (4.7)**	**ND (4.6)**	ND (0.048)	ND (0.077)	ND (0.049)	-	**ND (490)**	-	**ND (1)**	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	ND (0.45)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.048)	**ND (25)**	**ND (46)**	**ND (1.3)**	ND (0.048)	-	**ND (4.4)**	**ND (4.7)**	**ND (4.6)**	ND (0.048)	ND (0.077)	ND (0.049)	-	**ND (490)**	-	**ND (1)**	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	ND (0.45)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.048)	**ND (25)**	**ND (46)**	**ND (1.3)**	ND (0.048)	-	**ND (4.4)**	**ND (4.7)**	**ND (4.6)**	ND (0.048)	ND (0.077)	ND (0.049)	-	**ND (490)**	-	**5.2**	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	**3.4**
Aroclor-1254 (PCB-1254)	1	NA	0.52	**100**	**300**	**5.9**	**1.1**	-	**25**	**25**	**16**	0.16	ND (0.077)	ND (0.049)	-	**2100**	-	**ND (1)**	0.79	0.23	0.17	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	0.14	ND (0.45)
Aroclor-1260 (PCB-1260)	1	NA	0.36	**70**	**230**	**3.3**	0.74	-	**15**	**21**	**13**	0.13	ND (0.077)	ND (0.049)	-	**3000**	-	**2.5**	0.51	0.15	0.13	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	0.056	**1.7**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.048)	ND (25)	ND (46)	ND (1.3)	ND (0.048)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (490)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	ND (0.45)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.048)	ND (25)	ND (46)	ND (1.3)	ND (0.048)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (490)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.046)	ND (0.45)
SUM of PCBs	1	NA	0.88	**170**	**530**	**9.2**	**1.84**	-	**40**	**46**	**29**	0.29	ND	ND	-	**5100**	-	**7.7**	**1.3**	0.38	0.3	ND	ND	ND	ND	0.196	**5.1**
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	87.3	-	-	-	-	-	-	77.5	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (4)	-	-	-	-	-	-	ND (3.9)	-	ND (50)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (20)	-	-	-	-	-	-	ND (20)	-	ND (100)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	110	-	-	-	-	-	-	110	-	400	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	NI	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	11	-	-	-	-	-	-	11	-	7.5	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J16	J16	J16	J16	J16	J16	J16	J16	J16	J16	J16	J16A	J17	J17	J17
Sample Name			J15_S4_4.5-10.5	J15_S5_8.5-10.5	J15_S6_10.5-12.5	J15_S7_12.5-14.5	J15_S8_14.5-16.5	J15_S9_16.5-18.5	J15_S10_18.5-20.5	J15_S11_20.5-22.5	J15_S12_22.5-24.5	J16_S6_3.4-10.0	J16_S2_4.2-6.2	J16_S3_6.2-8.2	J16_S4_8.2-10.0	J16_S5_10.2-12.2	J16_S7_12.2-14.2	J16_S8_14.2-16.2	J16_S9_16.2-18.2	J16_S10_18.2-20.2	J16_S11_20.2-22.2	J16_S12_22.2-24.2	J16A_S1_3.4-10	J17_S2_4.1-6	J17_S7_4.1-11.4	J17_S3_6-8
Sample Date			06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/21/2010	07/21/2010	07/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134271-61 134271-68 134271-79 134440-6	134271-23	134271-24	134271-25	134271-26	134271-27	134271-28	134271-29	134271-30	134271-59 134271-65 134271-76 134440-10 134440-4	134271-1 134271-1RA1	134271-2 134271-2RA1	134271-3	134271-4	134271-5	134271-6	134271-7	134271-8	134271-9	134271-10	15B0057-01 15B0293-01	134943-11	134943-28 134943-32 134943-37 135123-3 135123-5	134943-12
Sample Depth (bgs)			4.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	3.4 - 10 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	3.4 - 10 (ft)	4.1 - 6 (ft)	4.1 - 11.4 (ft)	6 - 8 (ft)
Sample Elevation (ft BCB)			16 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10.2	16 to 14	14 to 12	12 to 10.2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10.2	15.9 to 14	15.9 to 8.6	14 to 12
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	ND (0.005)	-
1,2,4-Trichlorobenzene	2	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	ND (0.005)	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
1,2-Dichlorobenzene	9	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trimethylbenzene	10	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
1,3-Dichlorobenzene	3	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
1,4-Dichlorobenzene	0.7	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Acetone	6	NA	ND (0.23)	-	-	-	-	-	-	-	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.064)	-	ND (0.2)	-
Benzene	2	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Chlorobenzene	1	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Ethylbenzene	40	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Isopropylbenzene	1000	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
m,p-Xylenes	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	ND (0.005)	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	ND (0.005)	-
Methylene chloride	0.1	NA	ND (0.057)	-	-	-	-	-	-	-	-	ND (0.061)	-	-	-	-	-	-	-	-	-	-	ND (0.0064)	-	ND (0.05)	-
Naphthalene	4	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0064)	-	ND (0.005)	-
n-Propylbenzene	100	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
o-Xylene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Styrene	3	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Tetrachloroethene	1	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Toluene	30	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
Trichloroethene	0.3	NA	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	ND (0.005)	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.4	-	0.79	-
1,2-Dichlorobenzene	9	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
1,3-Dichlorobenzene	3	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
1,4-Dichlorobenzene	0.7	NA	ND (0.36)	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (0.8)**	-	ND (0.4)	-
2,4-Dimethylphenol	0.7	NA	ND (0.36)	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	**ND (0.8)**	-	ND (0.4)	-
2,4-Dinitrotoluene	0.7	NA	**ND (0.73)**	-	-	-	-	-	-	-	-	**ND (3.8)**	-	-	-	-	-	-	-	-	-	-	**ND (0.8)**	-	ND (0.4)	-
2,6-Dinitrotoluene	NA	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
2-Chloronaphthalene	1000	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.1	-	ND (0.4)	-
2-Methylnaphthalene	0.7	NA	ND (0.36)	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.4)	-
2-Methylphenol	500	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
3&4-Methylphenol	NA	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Acenaphthene	4	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	0.45	-	0.58	-
Acenaphthylene	1	NA	ND (0.36)	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.4)	-
Acetophenone	NA	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Aniline	NA	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Anthracene	1000	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.2	-	1.3	-
Benzo(a)anthracene	7	NA	0.52	-	-	-	-	-	-	-	-	5.3	-	-	-	-	-	-	-	-	-	-	3.8	-	2.9	-
Benzo(a)pyrene	2	NA	0.49	-	-	-	-	-	-	-	-	**5.1**	-	-	-	-	-	-	-	-	-	-	**3.4**	-	**2.7**	-
Benzo(b)fluoranthene	7	NA	0.87	-	-	-	-	-	-	-	-	**8.2**	-	-	-	-	-	-	-	-	-	-	5.1	-	4.2	-
Benzo(g,h,i)perylene	1000	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2.6	-	0.42	-
Benzo(k)fluoranthene	70	NA	ND (0.36)	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	2.1	-	1.3	-
bis(2-Ethylhexyl)phthalate	90	NA	0.47	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	4	-	1.3	-
Butyl benzylphthalate	100	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Carbazole	NA	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	0.58	-
Chrysene	70	NA	0.58	-	-	-	-	-	-	-	-	5.6	-	-	-	-	-	-	-	-	-	-	4.2	-	3.1	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.36)	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	0.5	-	ND (0.4)	-
Dibenzofuran	100	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	0.49	-
Diethyl phthalate	10	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Di-n-butylphthalate	50	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Di-n-octyl phthalate	1000	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (0.4)	-
Fluoranthene	1000	NA	1.2	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	7.9	-	6	-
Fluorene	1000	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	0.46	-	0.59	-
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.36)	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2.2	-	0.65	-
Isophorone	100	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Naphthalene	4	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.1	-	0.77	-
N-Nitrosodiphenylamine	100	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-
Pentachlorophenol	3	NA	ND (0.36)	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.8)	-
Phenanthrene	10	NA	0.81	-	-	-	-	-	-	-	-	5.8	-	-	-	-	-	-	-	-	-	-	4.6	-	5	-
Phenol	1	NA	ND (0.36)	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.8)	-	ND (0.4)	-
Pyrene	1000	NA	1	-	-	-	-	-	-	-	-	8.5	-	-	-	-	-	-	-	-	-	-	7.1	-	4.9	-
SUM of Semi-Volatile Organic Compounds	NA	NA	5.94	-	-	-	-	-	-	-	-	56.2	-	-	-	-	-	-	-	-	-	-	53.21	-	37.57	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J16	J16	J16	J16	J16	J16	J16	J16	J16	J16	J16	J16A	J17	J17	J17
Sample Name			J15_S4_4.5-10.5	J15_S5_8.5-10.5	J15_S6_10.5-12.5	J15_S7_12.5-14.5	J15_S8_14.5-16.5	J15_S9_16.5-18.5	J15_S10_18.5-20.5	J15_S11_20.5-22.5	J15_S12_22.5-24.5	J16_S6_3.4-10.0	J16_S2_4.2-6.2	J16_S3_6.2-8.2	J16_S4_8.2-10.0	J16_S5_10.2-12.2	J16_S7_12.2-14.2	J16_S8_14.2-16.2	J16_S9_16.2-18.2	J16_S10_18.2-20.2	J16_S11_20.2-22.2	J16_S12_22.2-24.2	J16A_S1_3.4-10	J17_S2_4.1-6	J17_S7_4.1-11.4	J17_S3_6-8
Sample Date			06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/21/2010	07/21/2010	07/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134271-61 134271-68 134271-79 134440-6	134271-23	134271-24	134271-25	134271-26	134271-27	134271-28	134271-29	134271-30	134271-59 134271-65 134271-76 134440-10 134440-4	134271-1 134271-1RA1	134271-2 134271-2RA1	134271-3	134271-4	134271-5	134271-6	134271-7	134271-8	134271-9	134271-10	15B0057-01 15B0293-01	134943-11	134943-28 134943-32 134943-37 135123-3 135123-5	134943-12
Sample Depth (bgs)			4.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	3.4 - 10 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	3.4 - 10 (ft)	4.1 - 6 (ft)	4.1 - 11.4 (ft)	6 - 8 (ft)
Sample Elevation (ft BCB)			16 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10.2	16 to 14	14 to 12	12 to 10.2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10.2	15.9 to 14	15.9 to 8.6	14 to 12
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3400	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	190	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	-	-	-	540	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	200	-	-	-	-	-	-	-	-	490	-	-	-	-	-	-	-	-	-	-	-	-	570	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	280	-	-	-	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	600	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (34)	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	140	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	ND (1.1)	-	-	-	-	-	-	-	-	**67**	-	-	-	-	-	-	-	-	-	-	-	-	**720**	-
Arsenic	20	NA	ND (3.4)	-	-	-	-	-	-	-	-	8.7	-	-	-	-	-	-	-	-	-	-	**27**	-	6.9	-
Barium	1000	NA	100	-	-	-	-	-	-	-	-	630	-	-	-	-	-	-	-	-	-	-	650	-	280	-
Beryllium	90	NA	ND (0.34)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-
Cadmium	70	NA	1.3	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	17	-	13	-
Chromium	100	NA	13	-	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-	-	-	-	82	-	39	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	200	NA	180	-	-	-	-	-	-	-	-	**8400**	-	-	-	-	-	-	-	-	-	-	**14000**	-	**9600**	-
Mercury	20	NA	0.29	-	-	-	-	-	-	-	-	7.1	-	-	-	-	-	-	-	-	-	-	3	-	2.7	-
Nickel	600	NA	17	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	70	-
Selenium	400	NA	ND (5.6)	-	-	-	-	-	-	-	-	ND (19)	-	-	-	-	-	-	-	-	-	-	ND (12)	-	ND (6)	-
Silver	100	NA	ND (1.1)	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (0.59)	-	ND (1.2)	-
Thallium	8	NA	ND (5.6)	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	-	-	**18**	-
Vanadium	400	NA	26	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	140	-
Zinc	1000	NA	140	-	-	-	-	-	-	-	-	**2700**	-	-	-	-	-	-	-	-	-	-	-	-	**1900**	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	2.7	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	86	-	ND (0.3)	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	**ND (50)**	**ND (50)**	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	**ND (47)**	-	**ND (5)**
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	**ND (50)**	**ND (50)**	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	**ND (47)**	-	**ND (5)**
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	**ND (50)**	**ND (50)**	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	**ND (47)**	-	**ND (5)**
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	**ND (50)**	**ND (50)**	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	**ND (47)**	-	**ND (5)**
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	**ND (50)**	**ND (50)**	0.49	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	**ND (47)**	-	**ND (5)**
Aroclor-1254 (PCB-1254)	1	NA	-	0.12	ND (0.056)	0.063	ND (0.053)	ND (0.054)	0.067	0.074	ND (0.058)	-	**490**	**480**	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	0.074	ND (0.053)	ND (0.054)	ND (0.063)	-	**200**	-	**27**
Aroclor-1260 (PCB-1260)	1	NA	-	0.074	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	0.056	ND (0.058)	-	**440**	**420**	0.25	ND (0.054)	0.063	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	**200**	-	**20**
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	ND (50)	ND (50)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (47)	-	ND (5)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	-	ND (50)	ND (50)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (47)	-	ND (5)
SUM of PCBs	1	NA	-	0.194	ND	0.063	ND	ND	0.067	0.13	ND	-	**930**	**900**	0.74	ND	0.063	ND	0.074	ND	ND	ND	-	**400**	-	**47**
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84.7	-	-	-
Ignitability (Deg F)	NA	NA	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (4)	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	480	-	-	-	-	-	-	-	-	-	-	120	-	410	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-
pH Corrosivity (pH units)	NA	NA	8.3	-	-	-	-	-	-	-	-	7.1	-	-	-	-	-	-	-	-	-	-	7.9	-	7.1	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	7.5	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	5.8	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	13	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J17	J17	J17	J17	J17	J17	J17	J17	J17	J17A	J18	J18	J18	J18	J18	J18	J18	J18	J18A	J18A	J18A	J19	J19	J19
Sample Name			J17_S4_8-10	J17_S5_10-12	J17_S6_12-14	J17_S8_14-16	J17_S9_16-18	J17_S10_18-20	J17_S11_20-22	J17_S12_22-23.5	J17_S13_23.5-24	J17A_S1_4.1-11.4	J18_S2_8-8.9	J18_S3_10-12	J18_S4_12-14	J18_S5_16-18	J18_S6_18-20	J18_S7_20-22	J18_S8_22-24	J18_S9_24-26	J18A_S1_3.8-7.8	J18A_S2_3.8-5.8	J18A_S3_5.8-7.8	J19_S2_12.7-14.7	J19_S3_21.7-23.7	J19_S4_23.7-25.7
Sample Date			07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	01/22/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	02/03/2015	02/03/2015	02/03/2015	01/05/2011	01/05/2011	01/05/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134943-13	134943-14	134943-15 134943-15RA1	134943-16	134943-17	134943-18	134943-19	134943-20	134943-21	15A0733-01 15A0918-01	134640-22	134640-23	134640-24	134640-25	134640-26	134640-27	134640-28	134640-29	15B0055-01 15B0055-01RE1	15B0055-02	15B0442-01	138980-11	138980-12	138980-13
Sample Depth (bgs)			8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.5 (ft)	23.5 - 24 (ft)	4.1 - 11.4 (ft)	8 - 8.9 (ft)	10 - 12 (ft)	12 - 14 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	3.8 - 7.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	12.7 - 14.7 (ft)	21.7 - 23.7 (ft)	23.7 - 25.7 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	16 to 8.7	12 to 11.1	10 to 8	8 to 6	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	7 to 5	-2 to -4	-4 to -6
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	RUBBLE FILL	RUBBLE FILL	RUBBLE FILL	RUBBLE FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.0042)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.0042)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	ND (0.11)	-	-	-	-	-	-	-	-	ND (0.085)	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	ND (0.0042)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.0042)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	ND (0.0042)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-	ND (0.0085)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-	ND (0.0085)	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	0.88	-	-	-	-	-	-	-	-	0.34	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	0.23	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.76)	-	-	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	0.22	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	0.29	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	0.76	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	0.73	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	13.19	-	-	-	-	-	-	-	-	4.26	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J17	J17	J17	J17	J17	J17	J17	J17	J17	J17A	J18	J18	J18	J18	J18	J18	J18	J18	J18A	J18A	J18A	J19	J19	J19
Sample Name			J17_S4_8-10	J17_S5_10-12	J17_S6_12-14	J17_S8_14-16	J17_S9_16-18	J17_S10_18-20	J17_S11_20-22	J17_S12_22-23.5	J17_S13_23.5-24	J17A_S1_4.1-11.4	J18_S2_8-8.9	J18_S3_10-12	J18_S4_12-14	J18_S5_16-18	J18_S6_18-20	J18_S7_20-22	J18_S8_22-24	J18_S9_24-26	J18A_S1_3.8-7.8	J18A_S2_3.8-5.8	J18A_S3_5.8-7.8	J19_S2_12.7-14.7	J19_S3_21.7-23.7	J19_S4_23.7-25.7
Sample Date			07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	01/22/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	02/03/2015	02/03/2015	02/03/2015	01/05/2011	01/05/2011	01/05/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134943-13	134943-14	134943-15 134943-15RA1	134943-16	134943-17	134943-18	134943-19	134943-20	134943-21	15A0733-01 15A0918-01	134640-22	134640-23	134640-24	134640-25	134640-26	134640-27	134640-28	134640-29	15B0055-01 15B0055-01RE1	15B0055-02	15B0442-01	138980-11	138980-12	138980-13
Sample Depth (bgs)			8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.5 (ft)	23.5 - 24 (ft)	4.1 - 11.4 (ft)	8 - 8.9 (ft)	10 - 12 (ft)	12 - 14 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	3.8 - 7.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	12.7 - 14.7 (ft)	21.7 - 23.7 (ft)	23.7 - 25.7 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	16 to 8.7	12 to 11.1	10 to 8	8 to 6	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	7 to 5	-2 to -4	-4 to -6
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	RUBBLE FILL	RUBBLE FILL	RUBBLE FILL	RUBBLE FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	800	-	-	-	-	-	-	-	-	740	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	**25**	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	150	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	0.47	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	17	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	**560**	-	-	-	-	-	-	-	-	85	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	0.83	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (0.6)	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	0.49	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1254 (PCB-1254)	1	NA	0.24	ND (0.051)	0.78	ND (0.052)	0.077	ND (0.049)	ND (0.049)	0.12	0.071	-	0.33	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	0.65	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1260 (PCB-1260)	1	NA	0.18	ND (0.051)	0.59	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	0.084	0.064	-	0.28	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.062)	-	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.058)	ND (0.07)
SUM of PCBs	1	NA	0.42	ND	**1.37**	ND	0.077	ND	ND	0.204	0.135	-	0.61	ND	ND	ND	ND	ND	ND	ND	-	**1.14**	ND	ND	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	88.1	-	-	-	-	-	-	-	-	88.5	87.6	84.6	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	94	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	11	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J19	J20	J20	J20	J20	J20	K3	K3	K3	K3	K4	K4	K4	K4	K5	K5	K5	K5	K6	K6	K6	K6	K6	K6	K6	K6
Sample Name			J19_S5_25.7-27.7	J20_S1_2.6-3.6	Z20_S1_2.6-3.6	J20_S2_3.6-5.6	J20_S3_5.6-7.6	J20_S4_7.6-9.6	K3_S1_0.6-1.6'	K3_S2_1.6-3.6'	K3_S3_3.6-5.6'	K3_S4_5.6-7.6'	K4_S1_1.4-2.4'	K4_S2_2.4-4.4'	K4_S3_4.4-6.4'	K4_S4_6.4-8.4'	K5_S1_1.8-2.8	K5_S2_2.8-4.8	K5_S3_4.8-6.8	K5_S4_6.8-8.8	K6_S1_1-5	K6_S2_6-7	K6_S4_6-9	K6_S3_7-9	K6_S5_9-11	K6_S6_11-13	K6_S7_13-15	K6_S8_15-17
Sample Date			01/05/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138980-14	15K1003-11	15K1003-17	15K1003-12	15K1003-13	15K1003-14	15K0757-09	15K0757-10	15K0757-11	15K0757-12	15K0757-13	15K0757-14	15K0757-15	15K0757-16	15K1175-12	15K1175-13	15K1175-14	15K1175-15	134417-20 134417-25 134417-30	134417-1	134417-23 134417-26 134417-31 134608-2	134417-2	134417-3	134417-4	134417-5	134417-6
Sample Depth (bgs)			25.7 - 27.7 (ft)	2.6 - 3.6 (ft)	2.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	1 - 5 (ft)	6 - 7 (ft)	6 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)			-6 to -8	17 to 16	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 14	13 to 12	13 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.26)	-	ND (0.2)	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.066)	-	ND (0.05)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46	-	0.95	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42	-	1	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	1.5	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.48	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.51	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	1.1	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	1.5	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.62	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	-	ND (0.79)	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	0.62	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	-	1.5	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	-	9.78	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			J19	J20	J20	J20	J20	J20	J20	K3	K3	K3	K3	K3	K4	K4	K4	K4	K4	K5	K5	K5	K5	K5	K6	K6	K6	K6	K6	K6	K6	K6
Sample Name			J19_S5_25.7-27.7	J20_S1_2.6-3.6	J20_S1_2.6-3.6	J20_S2_3.6-5.6	J20_S2_3.6-5.6	J20_S3_5.6-7.6	J20_S4_7.6-9.6	K3_S1_0.6-1.6'	K3_S2_1.6-3.6'	K3_S3_3.6-5.6'	K3_S4_5.6-7.6'	K4_S1_1.4-2.4'	K4_S2_2.4-4.4'	K4_S3_4.4-6.4'	K4_S4_6.4-8.4'	K5_S1_1.8-2.8	K5_S2_2.8-4.8	K5_S3_4.8-6.8	K5_S4_6.8-8.8	K6_S1_1-5	K6_S2_6-7	K6_S4_6-9	K6_S3_7-9	K6_S5_9-11	K6_S6_11-13	K6_S7_13-15	K6_S8_15-17
Sample Date			01/05/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138980-14	15K1003-11	15K1003-17	15K1003-12	15K1003-13	15K1003-14	15K0757-09	15K0757-10	15K0757-11	15K0757-12	15K0757-13	15K0757-14	15K0757-15	15K0757-16	15K1175-12	15K1175-13	15K1175-14	15K1175-15	134417-20 134417-25 134417-30	134417-1	134417-23 134417-26 134417-31 134608-2	134417-2	134417-3	134417-4	134417-5	134417-6
Sample Depth (bgs)			25.7 - 27.7 (ft)	2.6 - 3.6 (ft)	2.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	1 - 5 (ft)	6 - 7 (ft)	6 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)			-6 to -8	17 to 16	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 14	13 to 12	13 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	240	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	330	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	94	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (34)	-	ND (36)	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	2.7	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.6)	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	110	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.36)	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93	-	2.5	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	24	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	**300**	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-	0.61	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-	20	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6)	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6)	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	21	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	300	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.075)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.075)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.075)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.075)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.075)	0.63	0.29	ND (0.1)	ND (0.11)	ND (0.11)	0.39	ND (0.12)	ND (0.11)	ND (0.1)	0.49	ND (0.11)	ND (0.1)	0.13	0.56	0.19	ND (0.12)	ND (0.11)	0.51	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.075)	0.37	0.3	ND (0.1)	ND (0.11)	ND (0.11)	0.9	ND (0.12)	ND (0.11)	ND (0.1)	0.31	0.24	ND (0.1)	0.13	0.31	0.27	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.075)	0.18	0.15	ND (0.1)	ND (0.11)	ND (0.11)	0.65	ND (0.12)	ND (0.11)	ND (0.1)	0.12	0.13	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	0.14	0.13	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.075)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.075)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)
SUM of PCBs	1	NA	ND	**1.18**	0.74	ND	ND	ND	**1.94**	ND	ND	ND	0.92	0.37	ND	0.26	0.87	0.46	ND	ND	0.65	0.13	-	ND	ND	ND	ND	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	89.5	88.7	93.5	86.1	88.9	87.9	81.2	91	93.6	88.9	88.2	95	94.9	86.1	86.4	82.4	93.9	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	-	6.5	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K6	K6	K6	K6	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K8	K8	K8	K8	K9	K9	K9	K9	K10	K10	K10
Sample Name			K6_S9_17-19	K6_S10_19-21	K6_S11_21-23	K6_S12_23-25	K7_S1_0.4-7.2	K7_S4_7.5-11.7	K7_S2_9.4-11.4	K7_S3_11.4-13.4	K7_S5_13.4-15.4	K7_S6_15.4-17.4	K7_S7_17.4-19.4	K7_S8_19.4-21.4	K7_S9_21.4-23.1	K7_S10_23.4-25.4	K8_S1_7.0-8.2	K8_S3_7.0-8.2	K8_S4_8.2-10.2	K8_S5_10.2-12.2	K9_S1_7.0-7.5	K9_S3_7.0-7.5	K9_S2_7.5-9.5	K9_S4_7.5-9.5	K10_S1_4-4.3	K10_S2_6-8	K10_S2_6-8
Sample Date			06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/11/2011	01/11/2011	01/11/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134417-7	134417-8	134417-9	134417-10	134316-36 134316-44 134316-51 134476-2	134316-39 134316-45 134316-52 134476-4 134476-5	134316-23 134316-23RA1	134316-24	134316-25	134316-26	134316-27	134316-28	134316-29	134316-30	15C0526-01	15C0076-03	15C0076-04	15C0526-02	15C0127-01 15C0404-01	15C0127-03	15C0127-02	15C0127-04	139103-14	139103-15 139103-15RA1	139103-18 139103-18RA1
Sample Depth (bgs)			17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.4 - 7.2 (ft)	7.5 - 11.7 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.1 (ft)	23.4 - 25.4 (ft)	7 - 8.2 (ft)	7 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	7 - 7.5 (ft)	7 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	4 - 4.3 (ft)	6 - 8 (ft)	6 - 8 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -4	-4 to -6	19 to 12.2	11.9 to 7.7	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.7	-4 to -6	12.5 to 11.3	12.5 to 11.3	11.3 to 9.3	9.3 to 7.3	12.5 to 12	12.5 to 12	12 to 10	12 to 10	16 to 15.7	14 to 12	14 to 12
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Acetone	6	NA	-	-	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.066)	-	-	-	ND (0.068)	-	ND (0.064)	-	-	-	-
Benzene	2	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	0.0072	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.0066)	-	-	-	ND (0.0068)	-	ND (0.0064)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0066)	-	-	-	ND (0.0068)	-	ND (0.0064)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Styrene	3	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Toluene	30	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	0.0072	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	**0.77**	-	-	-	ND (0.21)	-	ND (0.22)	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.22	-	-	-	ND (0.21)	-	ND (0.22)	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	0.22	-	ND (0.22)	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Aniline	NA	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Anthracene	1000	NA	-	-	-	-	0.49	ND (0.35)	-	-	-	-	-	-	-	-	0.32	-	-	-	0.31	-	ND (0.22)	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	1.3	1	-	-	-	-	-	-	-	-	1.1	-	-	-	1.3	-	ND (0.22)	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	1.2	0.99	-	-	-	-	-	-	-	-	0.92	-	-	-	1.4	-	ND (0.22)	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	1.7	1.5	-	-	-	-	-	-	-	-	1.3	-	-	-	2	-	ND (0.22)	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	0.53	ND (0.35)	-	-	-	-	-	-	-	-	0.44	-	-	-	0.77	-	ND (0.22)	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	0.65	0.53	-	-	-	-	-	-	-	-	0.45	-	-	-	0.75	-	ND (0.22)	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	0.42	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	1.4	1.1	-	-	-	-	-	-	-	-	1.3	-	-	-	1.5	-	ND (0.22)	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	0.29	-	ND (0.22)	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.85)	-	ND (0.88)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	2.7	2	-	-	-	-	-	-	-	-	2.5	-	-	-	1.4	-	ND (0.22)	-	-	-	-
Fluorene	1000	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.21	-	-	-	ND (0.21)	-	ND (0.22)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	0.59	ND (0.35)	-	-	-	-	-	-	-	-	0.48	-	-	-	0.97	-	ND (0.22)	-	-	-	-
Isophorone	100	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.57	-	-	-	ND (0.21)	-	ND (0.22)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	ND (0.72)	ND (0.71)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	2	1.1	-	-	-	-	-	-	-	-	2.2	-	-	-	0.95	-	ND (0.22)	-	-	-	-
Phenol	1	NA	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)	-	-	-	-
Pyrene	1000	NA	-	-	-	-	2.4	1.9	-	-	-	-	-	-	-	-	2.1	-	-	-	1.4	-	ND (0.22)	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	15.38	10.12	-	-	-	-	-	-	-	-	14.88	-	-	-	13.26	-	ND	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K6	K6	K6	K6	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K8	K8	K8	K8	K9	K9	K9	K9	K10	K10	K10
Sample Name			K6_S9_17-19	K6_S10_19-21	K6_S11_21-23	K6_S12_23-25	K7_S1_0.4-7.2	K7_S4_7.5-11.7	K7_S2_9.4-11.4	K7_S3_11.4-13.4	K7_S5_13.4-15.4	K7_S6_15.4-17.4	K7_S7_17.4-19.4	K7_S8_19.4-21.4	K7_S9_21.4-23.1	K7_S10_23.4-25.4	K8_S1_7.0-8.2	K8_S3_7.0-8.2	K8_S4_8.2-10.2	K8_S5_10.2-12.2	K9_S1_7.0-7.5	K9_S3_7.0-7.5	K9_S2_7.5-9.5	K9_S4_7.5-9.5	K10_S1_4-4.3	K10_S2_6-8	X10_S2_6-8
Sample Date			06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/11/2011	01/11/2011	01/11/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134417-7	134417-8	134417-9	134417-10	134316-36 134316-44 134316-51 134476-2	134316-39 134316-45 134316-52 134476-4 134476-5	134316-23 134316-23RA1	134316-24	134316-25	134316-26	134316-27	134316-28	134316-29	134316-30	15C0526-01	15C0076-03	15C0076-04	15C0526-02	15C0127-01 15C0404-01	15C0127-03	15C0127-02	15C0127-04	139103-14	139103-15 139103-15RA1	139103-18 139103-18RA1
Sample Depth (bgs)			17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.4 - 7.2 (ft)	7.5 - 11.7 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.1 (ft)	23.4 - 25.4 (ft)	7 - 8.2 (ft)	7 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	7 - 7.5 (ft)	7 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	4 - 4.3 (ft)	6 - 8 (ft)	6 - 8 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -4	-4 to -6	19 to 12.2	11.9 to 7.7	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.7	-4 to -6	12.5 to 11.3	12.5 to 11.3	11.3 to 9.3	9.3 to 7.3	12.5 to 12	12.5 to 12	12 to 10	12 to 10	16 to 15.7	14 to 12	14 to 12
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210	-	-	-	180	-	34	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	120	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	140	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	120	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	ND (32)	ND (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	2.2	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	ND (3.2)	4.9	-	-	-	-	-	-	-	-	15	-	-	-	3.7	-	ND (3.5)	-	-	-	-
Barium	1000	NA	-	-	-	-	49	65	-	-	-	-	-	-	-	-	64	-	-	-	65	-	12	-	-	-	-
Beryllium	90	NA	-	-	-	-	ND (0.32)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	1.2	1.2	-	-	-	-	-	-	-	-	4.9	-	-	-	2.4	-	0.36	-	-	-	-
Chromium	100	NA	-	-	-	-	14	43	-	-	-	-	-	-	-	-	15	-	-	-	8.9	-	34	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	120	**400**	-	-	-	-	-	-	-	-	**230**	-	-	-	130	-	15	-	-	-	-
Mercury	20	NA	-	-	-	-	0.29	9.8	-	-	-	-	-	-	-	-	0.19	-	-	-	0.098	-	0.09	-	-	-	-
Nickel	600	NA	-	-	-	-	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	ND (5.4)	ND (5.6)	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	ND (6.3)	-	ND (6.9)	-	-	-	-
Silver	100	NA	-	-	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	ND (0.61)	-	-	-	ND (0.63)	-	ND (0.69)	-	-	-	-
Thallium	8	NA	-	-	-	-	ND (5.4)	ND (5.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	23	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	100	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	ND (0.3)	6.4	-	-	-	-	-	-	-	-	-	-	-	-	0.011	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	0.078	ND (0.05)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	0.16	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	0.12	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	0.15	-	**1.4**	ND (0.05)	0.12	ND (0.05)	ND (0.05)	ND (0.051)	0.11	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	0.064	0.74	**2.6**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-	ND (0.14)	ND (0.042)	ND (0.05)	ND (0.052)
SUM of PCBs	1	NA	ND	ND	ND	ND	0.31	-	**1.4**	ND	0.12	ND	ND	ND	0.23	ND	ND	ND	ND	ND	-	ND	-	ND	0.142	0.74	**2.6**
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.6	78	68.4	91.8	78.9 78.9	79.4	76.3	68.2	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	ND (3.9)	-	ND (4)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (20)	-	ND (20)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	430	-	-	-	-	-	-	-	-	-	-	-	-	84	-	78	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	NI	-	NI	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	9.2	8.4	-	-	-	-	-	-	-	-	7.3	-	-	-	7.2	-	7.6	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	1.4	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	1.6	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	1.3	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K10	K10	K11	K11	K11	K11	K11	K11	K11	K11	K12	K12	K12	K12	K12	K13	K13	K13	K13	K13	K13	K13	K13	K14	K14	K14	K14
Sample Name			K10_S3_8-10	K10_S4_10-12	K11_S2_4-6	K11_S3_5-10	K11_S4_6-8	K11_S5_8-10	K11_S6_10-12	K11_S7_10-15	K11_S8_12-14	K11_S9_16-18	K12_S2_4-6	K12_S3_5-10	K12_S4_6-8	K12_S5_10-12	K12_S6_12-14	K13_S1_4-6	K13_S2_5-10	K13_S3_6-8	K13_S4_8-10	K13_S5_10-12	K13_S6_10-15	K13_S7_12-14	K13_S8_14-16	K14_S2_4.2-5.2	K14_S5_4.2-10.2	K14_S3_7.2-9.2	K14_S4_9.2-10.2
Sample Date			01/11/2011	01/11/2011	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139103-16	139103-17	138733-7	138733-18 138733-30 138733-39 138975-1 138975-7	138733-8	138733-9 138733-9RA1	138733-10	138733-48 138733-49 138733-50 138975-10	138733-11	138733-17 138733-31 138733-40 138975-6	138980-1 138980-1RA1	138980-23 138980-30 138980-34 139157-3 139157-6	138980-2	138980-3	138980-4	138940-13	138940-31 138940-42 138940-52	138940-14	138940-15	138940-16	138940-32 138940-43 138940-53 139113-2 139113-5	138940-17 138940-17RA1	138940-18	134271-41	134271-62 134271-72 134271-83 134440-7	134271-42	134271-43
Sample Depth (bgs)			8 - 10 (ft)	10 - 12 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	16 - 18 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	10 - 12 (ft)	12 - 14 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	14 - 16 (ft)	4.2 - 5.2 (ft)	4.2 - 10.2 (ft)	7.2 - 9.2 (ft)	9.2 - 10.2 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	16.3 to 14.3	15.3 to 10.3	14.3 to 12.3	12.3 to 10.3	10.3 to 8.3	10.3 to 5.3	8.3 to 6.3	4.3 to 2.3	16.1 to 14.1	15.1 to 10.1	14.1 to 12.1	10.1 to 8.1	8.1 to 6.1	16.2 to 14.2	15.2 to 10.2	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	10.2 to 5.2	8.2 to 6.2	6.2 to 4.2	16 to 15	16 to 10	13 to 11	11 to 10
Soil Description			FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Acetone	6	NA	-	-	-	ND (0.24)	-	-	-	ND (0.23)	-	ND (0.22)	-	ND (0.21)	-	-	-	-	ND (0.2)	-	-	-	ND (0.29)	-	-	-	ND (0.2)	-	-
Benzene	2	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Chlorobenzene	1	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Ethylbenzene	40	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Isopropylbenzene	1000	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Methylene chloride	0.1	NA	-	-	-	ND (0.059)	-	-	-	ND (0.058)	-	ND (0.055)	-	ND (0.053)	-	-	-	-	ND (0.05)	-	-	-	ND (0.072)	-	-	-	ND (0.05)	-	-
Naphthalene	4	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
o-Xylene	NA	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Styrene	3	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Tetrachloroethene	1	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Toluene	30	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
Trichloroethene	0.3	NA	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	-	ND (0.005)	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	ND	-	ND	-	ND	-	-	-	-	ND	-	-	-	ND	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	-	-	-	0.5	-	-	-	ND (0.44)	-	ND (0.4)	-	1.1	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	**ND (0.78)**	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
2-Methylphenol	500	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
3&4-Methylphenol	NA	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Acenaphthene	4	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	0.42	-	-	-	-	0.43	-	-	-	ND (0.4)	-	-	-	0.62	-	-
Acenaphthylene	1	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Acetophenone	NA	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	0.55	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Aniline	NA	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Anthracene	1000	NA	-	-	-	0.8	-	-	-	ND (0.44)	-	ND (0.4)	-	0.97	-	-	-	-	1.1	-	-	-	ND (0.4)	-	-	-	1.2	-	-
Benzo(a)anthracene	7	NA	-	-	-	2.3	-	-	-	ND (0.44)	-	ND (0.4)	-	2.6	-	-	-	-	2	-	-	-	ND (0.4)	-	-	-	2.5	-	-
Benzo(a)pyrene	2	NA	-	-	-	**2.3**	-	-	-	ND (0.44)	-	ND (0.4)	-	**2.6**	-	-	-	-	1.8	-	-	-	ND (0.4)	-	-	-	**2.4**	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	3.6	-	-	-	ND (0.44)	-	ND (0.4)	-	4.3	-	-	-	-	2.4	-	-	-	ND (0.4)	-	-	-	3.4	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	0.59	-	-	-	ND (0.4)	-	-	-	0.6	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	1.2	-	-	-	ND (0.44)	-	ND (0.4)	-	1.6	-	-	-	-	0.85	-	-	-	ND (0.4)	-	-	-	1.3	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	1.6	-	-	-	ND (0.44)	-	ND (0.4)	-	1.2	-	-	-	-	0.43	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Carbazole	NA	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	0.54	-	-	-	-	0.39	-	-	-	ND (0.4)	-	-	-	0.71	-	-
Chrysene	70	NA	-	-	-	2.3	-	-	-	ND (0.44)	-	ND (0.4)	-	2.2	-	-	-	-	1.9	-	-	-	ND (0.4)	-	-	-	2.4	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Dibenzofuran	100	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	0.46	-	-	-	ND (0.4)	-	-	-	0.56	-	-
Diethyl phthalate	10	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Fluoranthene	1000	NA	-	-	-	4.3	-	-	-	ND (0.44)	-	ND (0.4)	-	4.7	-	-	-	-	4.2	-	-	-	0.96	-	-	-	4.8	-	-
Fluorene	1000	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	0.73	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	0.53	-	-	-	ND (0.44)	-	ND (0.4)	-	0.51	-	-	-	-	0.69	-	-	-	ND (0.4)	-	-	-	0.77	-	-
Isophorone	100	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Naphthalene	4	NA	-	-	-	0.55	-	-	-	ND (0.44)	-	ND (0.4)	-	0.59	-	-	-	-	1	-	-	-	ND (0.4)	-	-	-	0.78	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Pentachlorophenol	3	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (1.5)	-	-	-	-	ND (1.5)	-	-	-	ND (1.6)	-	-	-	ND (0.38)	-	-
Phenanthrene	10	NA	-	-	-	3.1	-	-	-	ND (0.44)	-	ND (0.4)	-	3.5	-	-	-	-	3.1	-	-	-	0.58	-	-	-	4.7	-	-
Phenol	1	NA	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	ND (0.39)	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	-	ND (0.38)	-	-
Pyrene	1000	NA	-	-	-	3.2	-	-	-	ND (0.44)	-	ND (0.4)	-	3.5	-	-	-	-	3	-	-	-	0.7	-	-	-	4.5	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	26.28	-	-	-	ND	-	ND	-	30.33	-	-	-	-	24.89	-	-	-	2.24	-	-	-	31.97	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K10	K10	K11	K11	K11	K11	K11	K11	K11	K11	K12	K12	K12	K12	K12	K13	K13	K13	K13	K13	K13	K13	K13	K14	K14	K14	K14
Sample Name			K10_S3_8-10	K10_S4_10-12	K11_S2_4-6	K11_S3_5-10	K11_S4_6-8	K11_S5_8-10	K11_S6_10-12	K11_S7_10-15	K11_S8_12-14	K11_S9_16-18	K12_S2_4-6	K12_S3_5-10	K12_S4_6-8	K12_S5_10-12	K12_S6_12-14	K13_S1_4-6	K13_S2_5-10	K13_S3_6-8	K13_S4_8-10	K13_S5_10-12	K13_S6_10-15	K13_S7_12-14	K13_S8_14-16	K14_S2_4.2-5.2	K14_S5_4.2-10.2	K14_S3_7.2-9.2	K14_S4_9.2-10.2
Sample Date			01/11/2011	01/11/2011	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	139103-16	139103-17	138733-7	138733-18 138733-30 138733-39 138975-1 138975-7	138733-8	138733-9 138733-9RA1	138733-10	138733-48 138733-49 138733-50 138975-10	138733-11	138733-17 138733-31 138733-40 138975-6	138980-1 138980-1RA1	138733-23 138980-30 138980-34 139157-3 139157-6	138980-2	138980-3	138980-4	138940-13	138940-31 138940-42 138940-52	138940-14	138940-15	138940-16	138940-32 138940-43 138940-53 139113-2 139113-5	138940-17 138940-17RA1	138940-18	134271-41	134271-62 134271-72 134271-83 134440-7	134271-42	134271-43
Sample Depth (bgs)			8 - 10 (ft)	10 - 12 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	16 - 18 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	10 - 12 (ft)	12 - 14 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	14 - 16 (ft)	4.2 - 5.2 (ft)	4.2 - 10.2 (ft)	7.2 - 9.2 (ft)	9.2 - 10.2 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	16.3 to 14.3	15.3 to 10.3	14.3 to 12.3	12.3 to 10.3	10.3 to 8.3	10.3 to 5.3	8.3 to 6.3	4.3 to 2.3	16.1 to 14.1	15.1 to 10.1	14.1 to 12.1	10.1 to 8.1	8.1 to 6.1	16.2 to 14.2	15.2 to 10.2	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	10.2 to 5.2	8.2 to 6.2	6.2 to 4.2	16 to 15	16 to 10	13 to 11	11 to 10
Soil Description			FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	380	-	-	-	ND (26)	-	36	-	510	-	-	-	-	130	-	-	-	ND (24)	-	-	-	67	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	420	-	-	-	ND (26)	-	41	-	560	-	-	-	-	150	-	-	-	24	-	-	-	91	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	490	-	-	-	ND (26)	-	33	-	630	-	-	-	-	170	-	-	-	ND (24)	-	-	-	43	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	93	-	-	-	ND (26)	-	ND (26)	-	120	-	-	-	-	54	-	-	-	ND (24)	-	-	-	ND (35)	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	**22**	-	-	-	5.6	-	5.7	-	**45**	-	-	-	-	2.3	-	-	-	3.4	-	-	-	ND (1.2)	-	-
Arsenic	20	NA	-	-	-	5.4	-	-	-	ND (4)	-	ND (4.5)	-	ND (3.6)	-	-	-	-	ND (3.4)	-	-	-	**22**	-	-	-	6.2	-	-
Barium	1000	NA	-	-	-	470	-	-	-	91	-	93	-	390	-	-	-	-	67	-	-	-	110	-	-	-	87	-	-
Beryllium	90	NA	-	-	-	ND (0.4)	-	-	-	ND (0.4)	-	ND (0.45)	-	ND (0.36)	-	-	-	-	ND (0.34)	-	-	-	ND (0.37)	-	-	-	ND (0.37)	-	-
Cadmium	70	NA	-	-	-	7.8	-	-	-	2.3	-	1.6	-	21	-	-	-	-	0.98	-	-	-	1.8	-	-	-	1.8	-	-
Chromium	100	NA	-	-	-	49	-	-	-	47	-	49	-	97	-	-	-	-	8.1	-	-	-	31	-	-	-	16	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	ND (1)	-	ND (1)	-	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-
Lead	200	NA	-	-	-	**3800**	-	-	-	23	-	34	-	**6400**	-	-	-	-	96	-	-	-	**300**	-	-	-	**310**	-	-
Mercury	20	NA	-	-	-	2.1	-	-	-	0.029	-	0.79	-	7.1	-	-	-	-	0.4	-	-	-	0.33	-	-	-	0.55	-	-
Nickel	600	NA	-	-	-	71	-	-	-	33	-	33	-	140	-	-	-	-	6.4	-	-	-	20	-	-	-	120	-	-
Selenium	400	NA	-	-	-	ND (6.6)	-	-	-	ND (6.7)	-	ND (7.4)	-	ND (5.9)	-	-	-	-	ND (5.6)	-	-	-	ND (6.2)	-	-	-	ND (6.1)	-	-
Silver	100	NA	-	-	-	ND (1.3)	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (1.2)	-	-	-	-	ND (1.1)	-	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-
Thallium	8	NA	-	-	-	ND (6.6)	-	-	-	ND (6.7)	-	ND (7.4)	-	ND (5.9)	-	-	-	-	ND (5.6)	-	-	-	ND (6.2)	-	-	-	ND (6.1)	-	-
Vanadium	400	NA	-	-	-	100	-	-	-	73	-	77	-	280	-	-	-	-	19	-	-	-	50	-	-	-	30	-	-
Zinc	1000	NA	-	-	-	**1300**	-	-	-	78	-	86	-	**2400**	-	-	-	-	67	-	-	-	330	-	-	-	**1200**	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	51	-	-	-	-	-	-	-	92	-	-	-	-	-	-	-	-	0.9	-	-	-	4.2	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	**ND (4.2)**	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	**ND (47)**	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	**ND (5.4)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	**ND (4.2)**	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	**ND (47)**	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	**ND (5.4)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	**ND (4.2)**	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	**ND (47)**	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	**ND (5.4)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	**ND (4.2)**	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	**ND (47)**	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	**ND (5.4)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	**ND (4.2)**	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	**ND (47)**	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	**ND (5.4)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.066)	ND (0.051)	0.33	-	**46**	**1.5**	ND (0.05)	-	0.4	0.065	0.67	-	**320**	ND (0.049)	0.06	0.3	-	**5.1**	0.053	0.17	-	**1.4**	ND (0.052)	0.18	-	ND (0.052)	**29**
Aroclor-1260 (PCB-1260)	1	NA	0.2	ND (0.051)	0.13	-	**29**	0.85	ND (0.05)	-	0.19	ND (0.051)	0.36	-	**150**	ND (0.049)	ND (0.051)	0.09	-	**3.1**	ND (0.049)	0.1	-	0.89	ND (0.052)	0.069	-	ND (0.052)	**19**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	ND (5.4)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.066)	ND (0.051)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.047)	-	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.048)	-	ND (0.052)	ND (5.4)
SUM of PCBs	1	NA	0.2	ND	0.46	-	**75**	**2.35**	ND	-	0.59	0.065	**1.03**	-	**470**	ND	0.06	0.39	-	**8.2**	0.053	0.27	-	**2.29**	ND	0.249	-	ND	**48**
Other																													
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	-	-	165 >	-	165 >	-	165 >	-	-	-	-	165 >	-	-	-	165 >	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	-	ND (50)	-	-	-	-	ND (50)	-	-	-	ND (50)	-	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	-	ND (100)	-	-	-	-	ND (100)	-	-	-	ND (100)	-	-	-	ND (100)	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	520	-	-	-	430	-	450	-	560	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	7.1	-	-	-	7	-	7.2	-	7	-	-	-	-	7	-	-	-	7.1	-	-	-	8	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.6)	-	-	-	ND (1.5)	-	ND (1.8)	-	ND (1.3)	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	-	1.7	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.6)	-	-	-	ND (1.5)	-	ND (1.8)	-	ND (1.3)	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	-	1.8	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	3.3	-	-	-	ND (1.5)	-	ND (1.8)	-	1.7	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	-	1.7	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	2.8	-	-	-	ND (1.5)	-	ND (1.8)	-	ND (1.3)	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	-	ND (1.4)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	6.5	-	-	-	ND (1.5)	-	ND (1.8)	-	2.6	-	-	-	-	2.1	-	-	-	1.5	-	-	-	2.1	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K14	K14	K14	K14	K14	K14	K14	K15	K15	K15	K15	K15	K15	K15	K15	K15	K15A	K15A	K15A	K15A	K15A	K16	K16	K16
Sample Name			K14_S6_10.2-12.2	K14_S7_12.2-14.2	K14_S8_14.2-16.2	K14_S9_16.2-18.2	K14_S10_18.2-20.2	K14_S11_20.2-22.2	K14_S12_22.2-24.2	K15_S2_6.0-8.0	K15_S3_6-9	K15_S4_9-10	K15_S5_10-12	K15_S6_12-14	K15_S7_14-16	K15_S8_16-18	K15_S9_18-20	K15_S10_20-22	K15A_S1_2.2-8.2	K15A_S2_2.2-4.2	Z2_S1_2.2-4.2	K15A_S3_4.2-6.2	Z2_S2_4.2-6.2	K16_S2_3.2-4.0	K16_S6_3.2-9.8	K16_S3_4-6
Sample Date			06/24/2010	06/24/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134271-44	134271-45	134292-17	134292-18	134292-19	134292-20	134292-21	134271-31	134271-56 134271-70 134271-81 134440-3	134271-32	134271-33	134271-34	134271-35	134271-36	134271-37	134271-38	15A0797-01 15A0977-01	15A0797-02	15A0791-01	15A0797-03	15A0791-02	134271-11 134271-11RA1 134440-5	134271-60 134271-67 134271-78 134440-11 134440-5	134271-12 134271-12RA1
Sample Depth (bgs)			10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	6 - 8 (ft)	6 - 9 (ft)	9 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	2.2 - 8.2 (ft)	2.2 - 4.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	4.2 - 6.2 (ft)	3.2 - 4 (ft)	3.2 - 9.8 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14 to 12	14 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	18 to 12	18 to 16	18 to 16	16 to 14	16 to 14	16.8 to 16	16.8 to 10.2	16 to 14
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	0.52	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	0.83	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.31)	-	-	-	-	-	-	-	ND (0.072)	-	-	-	-	-	ND (3)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	**ND (0.3)**	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	ND (0.3)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	-	-	-	-	-	**ND (0.3)**	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.079)	-	-	-	-	-	-	-	ND (0.0072)	-	-	-	-	-	**ND (1.2)**	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0072)	-	-	-	-	-	0.57	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	ND (0.3)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	**ND (0.3)**	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	ND	-	-	-	-	-	1.92	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	-	**ND (1.9)**	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	-	**ND (1.9)**	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	**ND (0.88)**	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	-	**ND (3.9)**	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	**ND (0.81)**	-	-	-	-	-	**ND (1.9)**	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	-	ND (1.9)	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	-	**ND (1.9)**	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	0.63	-	-	-	-	-	-	-	1.4	-	-	-	-	-	ND (1.9)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	3	-	-	-	-	-	2.6	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	**2.8**	-	-	-	-	-	**2.8**	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	4	-	-	-	-	-	4.8	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	0.81	-	-	-	-	-	-	-	2.2	-	-	-	-	-	ND (1.9)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-	1.5	-	-	-	-	-	ND (1.9)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	2.2	-	-	-	-	-	2.8	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	3.1	-	-	-	-	-	3	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	**ND (0.81)**	-	-	-	-	-	**ND (1.9)**	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (3.2)	-	-	-	-	-	ND (1.9)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	6.9	-	-	-	-	-	5.7	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	-	ND (1.9)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	0.87	-	-	-	-	-	-	-	2.1	-	-	-	-	-	ND (1.9)	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	1.3	-	-	-	-	-	ND (1.9)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	ND (1.9)	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-	5.7	-	-	-	-	-	3.7	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	-	**ND (1.9)**	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	5.9	-	-	-	-	-	4.8	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	22.28	-	-	-	-	-	-	-	42.1	-	-	-	-	-	30.2	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K14	K14	K14	K14	K14	K14	K14	K15	K15	K15	K15	K15	K15	K15	K15	K15	K15A	K15A	K15A	K15A	K15A	K16	K16	K16
Sample Name			K14_S6_10.2-12.2	K14_S7_12.2-14.2	K14_S8_14.2-16.2	K14_S9_16.2-18.2	K14_S10_18.2-20.2	K14_S11_20.2-22.2	K14_S12_22.2-24.2	K15_S2_6.0-8.0	K15_S3_6-9	K15_S4_9-10	K15_S5_10-12	K15_S6_12-14	K15_S7_14-16	K15_S8_16-18	K15_S9_18-20	K15_S10_20-22	K15A_S1_2.2-8.2	K15A_S2_2.2-4.2	Z2_S1_2.2-4.2	K15A_S3_4.2-6.2	Z2_S2_4.2-6.2	K16_S2_3.2-4.0	K16_S6_3.2-9.8	K16_S3_4-6
Sample Date			06/24/2010	06/24/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/24/2010	06/24/2010	06/24/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria									134271-56 134271-70 134271-81								15A0797-01 15A0977-01					134271-11 134271-11RA1	134271-60 134271-67 134271-78 134440-11 134440-5	134271-12 134271-12RA1
Lab Sample ID			134271-44	134271-45	134292-17	134292-18	134292-19	134292-20	134292-21	134271-31	134440-3	134271-32	134271-33	134271-34	134271-35	134271-36	134271-37	134271-38		15A0797-02	15A0791-01	15A0797-03	15A0791-02			
Sample Depth (bgs)			10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	6 - 8 (ft)	6 - 9 (ft)	9 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	2.2 - 8.2 (ft)	2.2 - 4.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	4.2 - 6.2 (ft)	3.2 - 4 (ft)	3.2 - 9.8 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)			10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14 to 12	14 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	18 to 12	18 to 16	18 to 16	16 to 14	16 to 14	16.8 to 16	16.8 to 10.2	16 to 14
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1600	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	260	-	-	-	-	-	-	-	-	-	-	-	-	-	400	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	310	-	-	-	-	-	-	-	-	-	-	-	-	-	440	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	460	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	ND (41)	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	**86**	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	6.6	-	-	-	-	-	ND (3.7)	-
Barium	1000	NA	-	-	-	-	-	-	-	-	320	-	-	-	-	-	-	-	210	-	-	-	-	-	690	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	5.5	-	-	-	-	-	-	-	7.3	-	-	-	-	-	19	-
Chromium	100	NA	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	**110**	-	-	-	-	-	73	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (1)	-
Lead	200	NA	-	-	-	-	-	-	-	-	**1900**	-	-	-	-	-	-	-	**2400**	-	-	-	-	-	**8700**	-
Mercury	20	NA	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	1.7	-	-	-	-	-	5.5	-
Nickel	600	NA	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (7.1)	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	-	ND (15)	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	ND (2.9)	-	-	-	-	-	ND (1.2)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (7.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.2)	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	860	-	-	-	-	-	-	-	-	-	-	-	-	-	**4000**	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	0.42	-	-	-	-	-	160	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**ND (510)**	**ND (5.5)**	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	**ND (48)**	-	**ND (47)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**ND (510)**	**ND (5.5)**	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	**ND (48)**	-	**ND (47)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**ND (510)**	**ND (5.5)**	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	**ND (48)**	-	**ND (47)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**ND (510)**	**ND (5.5)**	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	**ND (48)**	-	**ND (47)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**ND (510)**	**ND (5.5)**	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	0.32	0.33	0.18	0.16	**ND (48)**	-	**ND (47)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**650**	**38**	0.15	0.09	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	0.13	-	0.2	0.21	0.27	0.24	**360**	-	**510**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	**ND (510)**	**17**	0.092	0.058	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	0.088	-	ND (0.12)	ND (0.1)	0.13	0.12	**430**	-	**450**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	ND (510)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (48)	-	ND (47)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.059)	ND (510)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (48)	-	ND (47)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	**650**	**55**	0.242	0.148	ND	ND	ND	ND	0.218	-	0.52	0.54	0.58	0.52	**790**	-	**960**
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83.9	84.9	95.4	86.1	86.1	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	410	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	6.9	-	-	-	-	-	-	-	10	-	-	-	-	-	7.2	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K16	K16	K16	K16	K16	K16	K16	K16	K16	K16	K16A	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17A	K17A
Sample Name			K16_S4_6-8	K16_S5_8-10	K16_S7_10-12	K16_S8_12-14	K16_S9_14-16	K16_S10_16-18	K16_S11_18-20	K16_S12_20-22	K16_S13_22-23.3	K16_S14_23.3-24	K16A_S1_3.5-9.8	K17_S2_4-6	K17_S6_4-7.4	K17_S3_6-8	K17_S4_8-10	K17_S5_10-12	K17_S7_12-14	K17_S8_14-16	K17_S9_16-18	K17_S10_18-20	K17_S11_20-22	K17_S12_22-23	K17_S13_23-24	K17a_S2_4-8	K17a_S3_8-13
Sample Date			06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	01/03/2011	01/03/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134271-13 134271-13RA1	134271-14	134271-15	134271-16	134271-17	134271-18	134271-19	134271-20	134271-21	134271-22	15B0056-01 15B0056-01RE1	134640-11	134640-34 134640-38 134640-43 134833-2 134833-3	134640-12	134640-13 134640-13RA1	134640-14	134640-15	134640-16	134640-17	134640-18	134640-19	134640-20	134640-21	138916-22 138916-37 138916-49 139127-10 139127-6	138916-23 138916-38 138916-50 139127-11 139127-3
Sample Depth (bgs)			6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.3 (ft)	23.3 - 24 (ft)	3.5 - 9.8 (ft)	4 - 6 (ft)	4 - 7.4 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23 (ft)	23 - 24 (ft)	4 - 8 (ft)	8 - 13 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 10.2	16 to 14	16 to 12.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3	-3 to -4	16 to 12	12 to 7
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	0.57	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	1	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	ND (0.078)	-	ND (3.4)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.38)
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	**ND (0.34)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	**ND (0.34)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0078)	-	**ND (1.3)**	-	-	-	-	-	-	-	-	-	-	ND (0.051)	ND (0.095)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0078)	-	0.6	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	**ND (0.34)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.009)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	ND	-	2.17	-	-	-	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	1.1	-	1.4	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	**ND (0.78)**	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	**ND (0.78)**	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	**ND (0.78)**	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	0.69	-	**ND (0.78)**	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	1.9	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	0.43	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	4.3	-	1.5	-	-	-	-	-	-	-	-	-	-	0.74	1.1
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	5.9	-	3.7	-	-	-	-	-	-	-	-	-	-	1.9	2.3
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	**5.1**	-	**3.8**	-	-	-	-	-	-	-	-	-	-	1.9	**2.1**
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	6.1	-	6.7	-	-	-	-	-	-	-	-	-	-	2.4	2.4
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	2.6	-	1	-	-	-	-	-	-	-	-	-	-	0.54	0.71
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	4.1	-	2.5	-	-	-	-	-	-	-	-	-	-	0.85	0.85
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	1.7	-	2.2	-	-	-	-	-	-	-	-	-	-	0.82	ND (0.44)
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	5.5	-	3.9	-	-	-	-	-	-	-	-	-	-	1.9	2
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	0.68	-	**ND (0.78)**	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	1.3	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.81)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	12	-	6.8	-	-	-	-	-	-	-	-	-	-	3.4	4.1
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	1.9	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	2.6	-	1.3	-	-	-	-	-	-	-	-	-	-	0.7	0.85
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	1.3	-	0.8	-	-	-	-	-	-	-	-	-	-	ND (0.39)	0.83
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (1.7)
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	**12**	-	5.6	-	-	-	-	-	-	-	-	-	-	2.1	1.6
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.44)
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	12	-	6.9	-	-	-	-	-	-	-	-	-	-	3.2	3.4
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	83.2	-	48.1	-	-	-	-	-	-	-	-	-	-	20.45	22.24

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K16	K16	K16	K16	K16	K16	K16	K16	K16	K16	K16A	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17A	K17A
Sample Name			K16_S4_6-8	K16_S5_8-10	K16_S7_10-12	K16_S8_12-14	K16_S9_14-16	K16_S10_16-18	K16_S11_18-20	K16_S12_20-22	K16_S13_22-23.3	K16_S14_23.3-24	K16A_S1_3.5-9.8	K17_S2_4-6	K17_S6_4-7.4	K17_S3_6-8	K17_S4_8-10	K17_S5_10-12	K17_S7_12-14	K17_S8_14-16	K17_S9_16-18	K17_S10_18-20	K17_S11_20-22	K17_S12_22-23	K17_S13_23-24	K17a_S2_4-8	K17a_S3_8-13
Sample Date			06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	01/03/2011	01/03/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134271-13 134271-13RA1	134271-14	134271-15	134271-16	134271-17	134271-18	134271-19	134271-20	134271-21	134271-22	15B0056-01 15B0056-01RE1 15B0292-01	134640-11	134640-34 134640-38 134640-43 134833-2 134833-3	134640-12	134640-13 134640-13RA1	134640-14	134640-15	134640-16	134640-17	134640-18	134640-19	134640-20	134640-21	138916-22 138916-37 138916-49 139127-10 139127-6	138916-23 138916-38 138916-50 139127-11 139127-3
Sample Depth (bgs)			6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.3 (ft)	23.3 - 24 (ft)	3.5 - 9.8 (ft)	4 - 6 (ft)	4 - 7.4 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23 (ft)	23 - 24 (ft)	4 - 8 (ft)	8 - 13 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 10.2	16 to 14	16 to 12.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3	-3 to -4	16 to 12	12 to 7
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	2700	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	770	-	-	-	-	-	-	-	-	-	350	410
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	840	-	-	-	-	-	-	-	-	-	390	430
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	-	-	-	-	-	-	-	-	430	290
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	210	-	-	-	-	-	-	-	-	-	98	ND (27)
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	**51**	-	-	-	-	-	-	-	-	-	**120**	4.2
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	15	-	7.1	-	-	-	-	-	-	-	-	-	ND (3.5)	ND (4.1)
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	510	-	650	-	-	-	-	-	-	-	-	-	670	98
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.41)
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	10	-	15	-	-	-	-	-	-	-	-	-	18	1.3
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	71	-	75	-	-	-	-	-	-	-	-	-	81	33
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	**5600**	-	**5900**	-	-	-	-	-	-	-	-	-	**9800**	170
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	2.1	-	5.1	-	-	-	-	-	-	-	-	-	6.1	1.9
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	110	20
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (6.1)	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.8)
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.4)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.8)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	170	50
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	**2400**	-	-	-	-	-	-	-	-	-	**3000**	140
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	0.051	-	190	-	-	-	-	-	-	-	-	-	190	0.8
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	**ND (93)**	-	**ND (46)**	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	**ND (93)**	-	**ND (46)**	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	**ND (93)**	-	**ND (46)**	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	**ND (93)**	-	**ND (46)**	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	**ND (93)**	-	**ND (46)**	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1254 (PCB-1254)	1	NA	**10**	0.29	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	0.1	0.063	ND (0.05)	ND (0.056)	-	**350**	-	**160**	**1.7**	0.13	0.12	ND (0.055)	0.097	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1260 (PCB-1260)	1	NA	**8.3**	0.18	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	0.064	0.05	ND (0.05)	ND (0.056)	-	**270**	-	**120**	**1.2**	0.1	0.1	ND (0.055)	0.073	0.09	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (93)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (93)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
SUM of PCBs	1	NA	**18.3**	0.47	ND	ND	ND	ND	0.164	0.113	ND	ND	-	**620**	-	**280**	**2.9**	0.23	0.22	ND	0.17	0.09	ND	ND	ND	-	-
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (20)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	110	-	510	-	-	-	-	-	-	-	-	-	530	490
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	7.9	-	7.1	-	-	-	-	-	-	-	-	-	6.8	7.1
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	-	-	-	-	-	ND (1.4)	2

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K18	K18	K18	K18	K18	K18	K18	K18	K18	K18	K19	K19	K19	K19	K19	L3	L3	L3	L3	L4	L4	L4	L4	L5	L5
Sample Name			K18_S2_5.6-7.6	K18_S7_5.6-15.6	K18_S3_7.6-9.6	K18_S4_9.6-11.6	K18_S5_11.6-13.6	K18_S6_13.6-15.6	K18_S8_15.6-17.6	K18_S9_17.6-19.6	K18_S10_19.6-21.6	K18_S11_21.6-23.6	K19_S1_2.5-3.5	K19_S2_3.5-5.5	K19_S3_5.5-7.5	K19_S4_7.5-9.5	Z19_S4_7.5-9.5	L3_S1_0.0-0.8'	L3_S2_0.8-2.8'	L3_S3_2.8-4.8'	L3_S4_4.8-6.8'	L4_S1_1.3-2.3'	L4_S2_2.3-4.3'	L4_S3_4.3-6.3'	L4_S4_6.3-8.3'	L5_S1_1.6-2.6	L5_S2_2.6-4.6
Sample Date			06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			134117-20	134117-51 134117-57 134117-66	134117-21	134117-22	134117-23	134117-24	134117-25	134117-26	134117-27	134117-28	15K1003-04	15K1003-05	15K1003-06	15K1003-07	15K1003-10	15K0757-05	15K0757-06	15K0757-07	15K0757-08	15K0836-01	15K0836-02	15K0836-03	15K0836-04	15K1175-06	15K1175-07
Sample Depth (bgs)			5.6 - 7.6 (ft)	5.6 - 15.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	2.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)
Sample Elevation (ft BCB)			14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.8 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			K18	K18	K18	K18	K18	K18	K18	K18	K18	K18	K19	K19	K19	K19	K19	L3	L3	L3	L3	L4	L4	L4	L4	L5	L5
Sample Name			K18_S2_5.6-7.6	K18_ST_5.6-15.6	K18_S3_7.6-9.6	K18_S4_9.6-11.6	K18_S5_11.6-13.6	K18_S6_13.6-15.6	K18_S8_15.6-17.6	K18_S9_17.6-19.6	K18_S10_19.6-21.6	K18_S11_21.6-23.6	K19_S1_2.5-3.5	K19_S2_3.5-5.5	K19_S3_5.5-7.5	K19_S4_7.5-9.5	Z19_S4_7.5-9.5	L3_S1_0.0-0.8'	L3_S2_0.8-2.8'	L3_S3_2.8-4.8'	L3_S4_4.8-6.8'	L4_S1_1.3-2.3'	L4_S2_2.3-4.3'	L4_S3_4.3-6.3'	L4_S4_6.3-8.3'	L5_S1_1.6-2.6	L5_S2_2.6-4.6
Sample Date			06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			134117-20	134117-51 134117-57 134117-66	134117-21	134117-22	134117-23	134117-24	134117-25	134117-26	134117-27	134117-28	15K1003-04	15K1003-05	15K1003-06	15K1003-07	15K1003-10	15K0757-05	15K0757-06	15K0757-07	15K0757-08	15K0836-01	15K0836-02	15K0836-03	15K0836-04	15K1175-06	15K1175-07
Sample Depth (bgs)			5.6 - 7.6 (ft)	5.6 - 15.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	2.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)
Sample Elevation (ft BCB)			14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.8 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	0.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.61	ND (0.11)	**2.2**	ND (0.11)	ND (0.11)	0.17	ND (0.11)	ND (0.1)	0.21	ND (0.11)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	0.34	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	**1.5**	0.34	**3.9**	ND (0.11)	0.15	0.32	ND (0.11)	ND (0.1)	0.37	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.54	0.27	**1.5**	ND (0.11)	ND (0.11)	0.37	ND (0.11)	ND (0.1)	0.11	ND (0.11)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
SUM of PCBs	1	NA	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND	**2.65**	0.61	**7.6**	ND	0.15	0.86	ND	ND	0.69	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	89.7	92.8	89	80.8	82.7	92.6	88.8	84.6	87.6	89.1	89.4	88.1	95.8	89.8	87.7
Ignitability (Deg F)	NA	NA	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L5	L5	L6	L6	L6	L6	L6	L6	L6	L6	L6	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L8	L8
Sample Name			L5_S3_4.6-6.6	L5_S4_6.6-8.6	L6_S1_0.7-5.2	L6_S2_6.7-8.7	L6_S3_8.7-10.7	L6_S4_10.7-12.7	L6_S5_12.7-14.7	L6_S6_14.7-16.7	L6_S7_16.7-18.7	L6_S8_18.7-20.7	L6_S9_20.7-22.7	L7_S1_0.8-4.7	L7_S2_6-8	L7_S3_8-10	L7_S8_5.2-14	L7_S4_10-12	L7_S5_12-14	L7_S6_14-16	L7_S7_16-18	L7_S9_18-20	L7_S10_20-22	L7_S11_22-23.5	L7_S12_23.5-24	L8_S1_0.5-5.0	L8_S2_5-10
Sample Date			11/24/2015	11/24/2015	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	06/28/2010	06/28/2010	06/28/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	12/20/2010	12/20/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			134447-22 134447-35	134447-23 134447-23RA1 134447-36 134447-42 134642-4								134316-37 134316-46 134316-53			134368-22 134368-25 134368-5 134368-5RA1									138726-12 138726-20	138726-13 138726-21 138726-27
Lab Sample ID			15K1175-08	15K1175-09	134447-41	134642-6	134447-24	134447-25	134447-26	134447-27	134447-28	134447-29	134447-30	134476-3	134316-31	134316-32	134570-1	134368-1	134368-2	134368-3	134368-4	134368-6	134368-7	134368-8	134368-9	138726-26	138880-2
Sample Depth (bgs)			4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.7 - 5.2 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.8 - 4.7 (ft)	6 - 8 (ft)	8 - 10 (ft)	5.2 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.5 (ft)	23.5 - 24 (ft)	0.5 - 5 (ft)	5 - 10 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	19 to 14.5	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	19.2 to 15.3	14 to 12	12 to 10	14.8 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	18.6 to 14.1	14.1 to 9.1
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Acetone	6	NA	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.21)	-	-	-	-	-	-	-	-	ND (0.22)	ND (0.2)
Benzene	2	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Chlorobenzene	1	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Ethylbenzene	40	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Isopropylbenzene	1000	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
m,p-Xylenes	NA	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Methylene chloride	0.1	NA	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	ND (0.05)	-	-	ND (0.054)	-	-	-	-	-	-	-	-	ND (0.056)	ND (0.05)
Naphthalene	4	NA	-	-	0.075	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
n-Propylbenzene	100	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
o-Xylene	NA	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Styrene	3	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Tetrachloroethene	1	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Toluene	30	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
Trichloroethene	0.3	NA	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	0.075	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
1,2-Dichlorobenzene	9	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
1,3-Dichlorobenzene	3	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
2-Chloronaphthalene	1000	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
2-Methylnaphthalene	0.7	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	**1.1**	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
2-Methylphenol	500	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
3&4-Methylphenol	NA	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Acenaphthene	4	NA	-	-	ND (0.36)	0.68	-	-	-	-	-	-	-	1.8	-	-	2.8	-	-	-	-	-	-	-	-	0.52	ND (0.37)
Acenaphthylene	1	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	0.48
Acetophenone	NA	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Aniline	NA	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Anthracene	1000	NA	-	-	0.62	1.5	-	-	-	-	-	-	-	3.5	-	-	4	-	-	-	-	-	-	-	-	1.5	0.98
Benzo(a)anthracene	7	NA	-	-	1.4	3	-	-	-	-	-	-	-	4.4	-	-	**11**	-	-	-	-	-	-	-	-	2.3	3.4
Benzo(a)pyrene	2	NA	-	-	1.3	**2.9**	-	-	-	-	-	-	-	**2.8**	-	-	**9.7**	-	-	-	-	-	-	-	-	1.9	**3**
Benzo(b)fluoranthene	7	NA	-	-	2.1	4.3	-	-	-	-	-	-	-	3.6	-	-	**14**	-	-	-	-	-	-	-	-	2.2	4
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.36)	0.6	-	-	-	-	-	-	-	ND (1.8)	-	-	2.2	-	-	-	-	-	-	-	-	0.61	1.2
Benzo(k)fluoranthene	70	NA	-	-	0.65	1.4	-	-	-	-	-	-	-	ND (1.8)	-	-	5.3	-	-	-	-	-	-	-	-	0.76	1.5
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	0.53	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Butyl benzylphthalate	100	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Carbazole	NA	NA	-	-	ND (0.36)	0.48	-	-	-	-	-	-	-	ND (1.8)	-	-	2	-	-	-	-	-	-	-	-	0.53	ND (0.37)
Chrysene	70	NA	-	-	1.3	3.1	-	-	-	-	-	-	-	4.4	-	-	11	-	-	-	-	-	-	-	-	2.2	3.5
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	**0.81**	-	-	-	-	-	-	-	-	ND (0.37)	0.43
Dibenzofuran	100	NA	-	-	ND (0.36)	0.45	-	-	-	-	-	-	-	ND (1.8)	-	-	1.8	-	-	-	-	-	-	-	-	0.55	ND (0.37)
Diethyl phthalate	10	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Di-n-butylphthalate	50	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Di-n-octyl phthalate	1000	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Fluoranthene	1000	NA	-	-	3	7.3	-	-	-	-	-	-	-	9.5	-	-	26	-	-	-	-	-	-	-	-	4.7	7
Fluorene	1000	NA	-	-	ND (0.36)	0.66	-	-	-	-	-	-	-	ND (1.8)	-	-	2.4	-	-	-	-	-	-	-	-	0.72	0.37
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.36)	0.87	-	-	-	-	-	-	-	ND (1.8)	-	-	2.8	-	-	-	-	-	-	-	-	0.82	1.6
Isophorone	100	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Naphthalene	4	NA	-	-	0.41	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	3.9	-	-	-	-	-	-	-	-	0.43	ND (0.37)
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Pentachlorophenol	3	NA	-	-	ND (0.74)	ND (0.76)	-	-	-	-	-	-	-	**ND (3.7)**	-	-	ND (0.83)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Phenanthrene	10	NA	-	-	2.3	5.5	-	-	-	-	-	-	-	**12**	-	-	**12**	-	-	-	-	-	-	-	-	5.1	3.5
Phenol	1	NA	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	**ND (1.8)**	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)
Pyrene	1000	NA	-	-	2	5.1	-	-	-	-	-	-	-	9	-	-	17	-	-	-	-	-	-	-	-	4.4	5.9
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	15.08	37.84	-	-	-	-	-	-	-	51	-	-	130.34	-	-	-	-	-	-	-	-	29.24	36.86

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L5	L5	L6	L6	L6	L6	L6	L6	L6	L6	L6	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L8	L8
Sample Name			L5_S3_4.6-6.6	L5_S4_6.6-8.6	L6_S1_0.7-5.2	L6_S2_6.7-8.7	L6_S3_8.7-10.7	L6_S4_10.7-12.7	L6_S5_12.7-14.7	L6_S6_14.7-16.7	L6_S7_16.7-18.7	L6_S8_18.7-20.7	L6_S9_20.7-22.7	L7_S1_0.8-4.7	L7_S2_6-8	L7_S3_8-10	L7_S8_5.2-14	L7_S4_10-12	L7_S5_12-14	L7_S6_14-16	L7_S7_16-18	L7_S9_18-20	L7_S10_20-22	L7_S11_22-23.5	L7_S12_23.5-24	L8_S1_0.5-5.0	L8_S2_5-10
Sample Date			11/24/2015	11/24/2015	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	06/28/2010	06/28/2010	06/28/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	12/20/2010	12/20/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K1175-08	15K1175-09	134447-22 134447-35 134447-41	134447-23 134447-23RA1 134447-36 134447-42 134642-4 134642-6	134447-24	134447-25	134447-26	134447-27	134447-28	134447-29	134447-30	134316-37 134316-46 134316-53 134476-3	134316-31	134316-32	134368-22 134368-25 134368-5 134368-5RA1 134570-1	134368-1	134368-2	134368-3	134368-4	134368-6	134368-7	134368-8	134368-9	138726-12 138726-20 138726-26	138726-13 138726-21 138726-27 138880-2
Sample Depth (bgs)			4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.7 - 5.2 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.8 - 4.7 (ft)	6 - 8 (ft)	8 - 10 (ft)	5.2 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.5 (ft)	23.5 - 24 (ft)	0.5 - 5 (ft)	5 - 10 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	19 to 14.5	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	19.2 to 15.3	14 to 12	12 to 10	14.8 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	18.6 to 14.1	14.1 to 9.1
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	230	-	-	-	-	-	-	-	190	-	-	240	-	-	-	-	-	-	-	-	98	140
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	390	-	-	-	-	-	-	-	210	-	-	360	-	-	-	-	-	-	-	-	110	180
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	35	-	-	-	-	-	-	-	200	-	-	57	-	-	-	-	-	-	-	-	87	67
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	ND (34)	-	-	-	-	-	-	-	ND (32)	-	-	ND (37)	-	-	-	-	-	-	-	-	ND (23)	ND (23)
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	1.6	4.6	-	-	-	-	-	-	-	1.1	-	-	3.9	-	-	-	-	-	-	-	-	1.9	2.8
Arsenic	20	NA	-	-	ND (3.3)	ND (3.4)	-	-	-	-	-	-	-	3.3	-	-	4.6	-	-	-	-	-	-	-	-	ND (3.5)	5.1
Barium	1000	NA	-	-	50	68	-	-	-	-	-	-	-	58	-	-	74	-	-	-	-	-	-	-	-	72	57
Beryllium	90	NA	-	-	ND (0.33)	ND (0.34)	-	-	-	-	-	-	-	ND (0.33)	-	-	ND (0.33)	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.33)
Cadmium	70	NA	-	-	0.98	1.9	-	-	-	-	-	-	-	1.2	-	-	1.2	-	-	-	-	-	-	-	-	1.2	1.3
Chromium	100	NA	-	-	18	**120**	-	-	-	-	-	-	-	20	-	-	9.9	-	-	-	-	-	-	-	-	19	18
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	83	120	-	-	-	-	-	-	-	130	-	-	**230**	-	-	-	-	-	-	-	-	88	**200**
Mercury	20	NA	-	-	0.44	1.8	-	-	-	-	-	-	-	0.27	-	-	0.7	-	-	-	-	-	-	-	-	0.52	0.74
Nickel	600	NA	-	-	9.9	21	-	-	-	-	-	-	-	14	-	-	11	-	-	-	-	-	-	-	-	15	16
Selenium	400	NA	-	-	ND (5.6)	ND (9)	-	-	-	-	-	-	-	ND (5.4)	-	-	ND (5.5)	-	-	-	-	-	-	-	-	ND (5.8)	ND (5.6)
Silver	100	NA	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.1)
Thallium	8	NA	-	-	ND (5.6)	ND (5.7)	-	-	-	-	-	-	-	ND (5.4)	-	-	ND (5.5)	-	-	-	-	-	-	-	-	ND (5.8)	ND (5.6)
Vanadium	400	NA	-	-	20	14	-	-	-	-	-	-	-	30	-	-	9.6	-	-	-	-	-	-	-	-	49	44
Zinc	1000	NA	-	-	87	330	-	-	-	-	-	-	-	100	-	-	140	-	-	-	-	-	-	-	-	93	99
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	0.3	-	-	-	-	-	-	-	ND (0.3)	-	-	1.5	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	**2**	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	ND (0.11)	0.24	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	ND (0.11)	0.25	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	**1.6**	ND (0.046)	ND (0.047)	-	0.094	0.098	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-
SUM of PCBs	1	NA	ND	ND	0.49	ND	ND	ND	ND	ND	ND	ND	ND	**3.6**	ND	ND	-	0.094	0.098	ND	ND	ND	ND	ND	ND	-	-
Other																										
Percent Solids, vol. (%wt)	NA	NA	88.8	90.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	165 >	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (50)	ND (100)	-	-	-	-	-	-	-	ND (50)	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	ND (100)	430	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	6.8	6.8	-	-	-	-	-	-	-	9.1	-	-	6.5	-	-	-	-	-	-	-	-	7.1	6.8
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.5)	ND (1.7)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.5)	ND (1.7)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.5)	ND (1.7)	-	-	-	-	-	-	-	ND (1)	-	-	4	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.5)	ND (1.7)	-	-	-	-	-	-	-	ND (1)	-	-	2.2	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.5)	ND (1.7)	-	-	-	-	-	-	-	ND (1)	-	-	6.3	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L8	L8A	L8A	L8A	L8A	L9	L9	L9	L9	L9	L10	L10	L10	L10	L10	L11	L11	L11	L11	L11	L11	L11	L11	L12	L12	L12	L12
Sample Name			L8_S3_10-15	L8A_S1_2-1-3-1'	L8A_S2_3.1-5.1'	L8A_S3_5.1-7.1'	L8A_S4_7.1-9.1'	L9_S1_6.0-7.3	L9_S3_6.0-7.3	L9_S2_7.3-9.3	L9_S4_7.3-9.3	L9_S5_9.3-11.3	L10_S1_0-8	L10_S3_4-6	L10_S4_6-8	L10_S5_8-10	L10_S6_8-10	L11_S1_4.0-5.6	L11_S4_4.0-9.6	L11_S2_5.6-7.6	L11_S3_7.6-9.6	L11_S5_9.6-11.6	L11_S7_9.6-14.6	L11_S6_11.6-13.6	L11_S8_14.6-19.6	L12_S1_0-4.5	L12_S2_5-7	L12_S4_5-9	L12_S3_7-9
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	12/20/2010	11/18/2015	11/18/2015	11/18/2015	11/18/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID			138726-16 138726-22 138726-28 138880-4	15K0838-04	15K0838-05	15K0838-06	15K0838-07	15C0338-01 15C0529-01	15C0150-03	15C0338-02 15C0529-02	15C0150-04	15C0529-03	15A0795-01 15A0976-01	15A0795-03	15A0795-04	15A0795-05 15A0795-05RE1	15A0795-06	138796-1 138796-1RA1	138796-20 138796-23 138796-28	138796-2	138796-3	138796-4	138796-18 138796-24 138796-29 138974-3	138796-5	138796-19 138796-25 138796-30 138974-4	133615-38 133615-45 133615-52 133764-3	133615-23	133615-46 133615-53 133615-53RA1 133764-4 133764-5	133615-24
Sample Depth (bgs)			10 - 15 (ft)	2.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	6 - 7.3 (ft)	6 - 7.3 (ft)	7.3 - 9.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	0 - 8 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 5.6 (ft)	4 - 9.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	9.6 - 14.6 (ft)	11.6 - 13.6 (ft)	14.6 - 19.6 (ft)	0 - 4.5 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			9.1 to 4.1	17 to 16	16 to 14	14 to 12	12 to 10	13.3 to 12	13.3 to 12	12 to 10	12 to 10	10 to 8	20 to 12	16 to 14	14 to 12	12 to 10	12 to 10	15.6 to 14	15.6 to 10	14 to 12	12 to 10	10 to 8	10 to 5	8 to 6	5 to 0	19.8 to 15.3	14.8 to 12.8	14.8 to 10.8	12.8 to 10.8
Soil Description			HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	ND (0.005)	-	-	-	-	ND (0.0029)	-	ND (0.0032)	-	-	ND (0.0024)	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	0.64	-
1,2,4-Trichlorobenzene	2	NA	ND (0.005)	-	-	-	-	ND (0.0029)	-	ND (0.0032)	-	-	ND (0.0024)	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	1.1	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	0.0015	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
1,2-Dichlorobenzene	9	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
1,3,5-Trimethylbenzene	10	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
1,3-Dichlorobenzene	3	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
1,4-Dichlorobenzene	0.7	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Acetone	6	NA	ND (0.21)	-	-	-	-	ND (0.073)	-	ND (0.08)	-	-	ND (0.061)	-	-	ND (0.053)	-	-	ND (0.2)	-	-	-	ND (0.25)	-	ND (0.29)	ND (0.2)	-	ND (3.8)	-
Benzene	2	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Chlorobenzene	1	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.005)	-	-	-	-	ND (0.0029)	-	ND (0.0032)	-	-	ND (0.0024)	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	**ND (0.38)**	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Ethylbenzene	40	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Isopropylbenzene	1000	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
m,p-Xylenes	NA	NA	ND (0.005)	-	-	-	-	ND (0.0029)	-	ND (0.0032)	-	-	ND (0.0024)	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.005)	-	-	-	-	ND (0.0029)	-	ND (0.0032)	-	-	ND (0.0024)	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	**ND (0.38)**	-
Methylene chloride	0.1	NA	ND (0.053)	-	-	-	-	ND (0.0073)	-	ND (0.008)	-	-	ND (0.0061)	-	-	ND (0.0053)	-	-	ND (0.05)	-	-	-	ND (0.062)	-	ND (0.071)	ND (0.05)	-	**ND (1.5)**	-
Naphthalene	4	NA	ND (0.005)	-	-	-	-	ND (0.0073)	-	ND (0.008)	-	-	ND (0.0061)	-	-	ND (0.0053)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	0.011	-	2.4	-
n-Propylbenzene	100	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
o-Xylene	NA	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Styrene	3	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Tetrachloroethene	1	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Toluene	30	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-
Trichloroethene	0.3	NA	ND (0.005)	-	-	-	-	ND (0.0015)	-	ND (0.0016)	-	-	ND (0.0012)	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	**ND (0.38)**	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	ND	-	ND	-	-	0.0015	-	-	ND	-	-	ND	-	-	-	ND	-	ND	0.011	-	4.14	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
1,2-Dichlorobenzene	9	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
1,3-Dichlorobenzene	3	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
1,4-Dichlorobenzene	0.7	NA	ND (0.4)	-	-	-	-	**ND (0.84)**	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
2,4-Dimethylphenol	0.7	NA	ND (0.4)	-	-	-	-	**ND (0.84)**	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
2,4-Dinitrotoluene	0.7	NA	ND (0.4)	-	-	-	-	**ND (0.84)**	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
2,6-Dinitrotoluene	NA	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
2-Chloronaphthalene	1000	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
2-Methylnaphthalene	0.7	NA	ND (0.4)	-	-	-	-	0.55	-	ND (0.2)	-	-	0.64	-	-	ND (0.21)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
2-Methylphenol	500	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
3&4-Methylphenol	NA	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Acenaphthene	4	NA	ND (0.4)	-	-	-	-	ND (0.42)	-	0.38	-	-	ND (0.21)	-	-	ND (0.21)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Acenaphthylene	1	NA	ND (0.4)	-	-	-	-	**4.3**	-	ND (0.2)	-	-	ND (0.21)	-	-	0.5	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
Acetophenone	NA	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Aniline	NA	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Anthracene	1000	NA	ND (0.4)	-	-	-	-	4.3	-	0.58	-	-	0.38	-	-	0.81	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.44	-	ND (3.9)	-
Benzo(a)anthracene	7	NA	ND (0.4)	-	-	-	-	**35**	-	1.1	-	-	0.74	-	-	5	-	-	0.73	-	-	-	ND (0.42)	-	ND (0.4)	0.95	-	4.3	-
Benzo(a)pyrene	2	NA	ND (0.4)	-	-	-	-	**34**	-	1.1	-	-	0.57	-	-	**4.6**	-	-	0.67	-	-	-	ND (0.42)	-	ND (0.4)	0.85	-	**ND (3.9)**	-
Benzo(b)fluoranthene	7	NA	ND (0.4)	-	-	-	-	**44**	-	1.2	-	-	0.82	-	-	4.9	-	-	0.78	-	-	-	ND (0.42)	-	ND (0.4)	1.1	-	5	-
Benzo(g,h,i)perylene	1000	NA	ND (0.4)	-	-	-	-	9.4	-	0.57	-	-	ND (0.21)	-	-	3.2	-	-	0.41	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Benzo(k)fluoranthene	70	NA	ND (0.4)	-	-	-	-	8.6	-	0.46	-	-	0.37	-	-	2.1	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.39	-	ND (3.9)	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.4)	-	-	-	-	1.3	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.67	-	76	-
Butyl benzylphthalate	100	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Carbazole	NA	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Chrysene	70	NA	ND (0.4)	-	-	-	-	33	-	1.3	-	-	0.91	-	-	4.7	-	-	0.67	-	-	-	ND (0.42)	-	ND (0.4)	0.94	-	4.5	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.4)	-	-	-	-	**3.3**	-	ND (0.2)	-	-	ND (0.21)	-	-	**0.71**	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
Dibenzofuran	100	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Diethyl phthalate	10	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Di-n-butylphthalate	50	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Di-n-octyl phthalate	1000	NA	ND (0.4)	-	-	-	-	ND (1.7)	-	ND (0.79)	-	-	ND (0.83)	-	-	ND (0.81)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	6.3	-
Fluoranthene	1000	NA	0.57	-	-	-	-	63	-	2.8	-	-	1.5	-	-	8	-	-	1.4	-	-	-	ND (0.42)	-	ND (0.4)	2	-	12	-
Fluorene	1000	NA	ND (0.4)	-	-	-	-	0.74	-	0.41	-	-	ND (0.21)	-	-	0.21	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	4.5	-
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.4)	-	-	-	-	**24**	-	0.6	-	-	ND (0.21)	-	-	3.6	-	-	0.43	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Isophorone	100	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Naphthalene	4	NA	ND (0.4)	-	-	-	-	1.5	-	0.23	-	-	0.41	-	-	0.57	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.42	-	**4.4**	-
N-Nitrosodiphenylamine	100	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-
Pentachlorophenol	3	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
Phenanthrene	10	NA	0.44	-	-	-	-	7.4	-	2.9	-	-	1.5	-	-	1.7	-	-	0.77	-	-	-	ND (0.42)	-	ND (0.4)	1.5	-	**15**	-
Phenol	1	NA	ND (0.4)	-	-	-	-	ND (0.84)	-	ND (0.4)	-	-	ND (0.42)	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	**ND (3.9)**	-
Pyrene	1000	NA	0.55	-	-	-	-	50	-	2.8	-	-	1.4	-	-	8.7	-	-	1.3	-	-	-	ND (0.42)	-	ND (0.4)	1.6	-	8.7	-
SUM of Semi-Volatile Organic Compounds	NA	NA	1.56	-	-	-	-	324.39	-	16.43	-	-	9.24	-	-	49.3	-	-	7.16	-	-	-	ND	-	ND	11.23	-	140.7	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L8	L8A	L8A	L8A	L8A	L9	L9	L9	L9	L9	L10	L10	L10	L10	L10	L11	L11	L11	L11	L11	L11	L11	L11	L12	L12	L12	L12
Sample Name			L8_S3_10-15	L8A_S1_2-1-3.1'	L8A_S2_3.1-5.1'	L8A_S3_5.1-7.1'	L8A_S4_7.1-9.1'	L9_S1_6.0-7.3	L9_S3_6.0-7.3	L9_S2_7.3-9.3	L9_S4_7.3-9.3	L9_S5_9.3-11.3	L10_S1_0-8	L10_S3_4-6	L10_S4_6-8	L10_S5_8-10	L10_S6_8-10	L11_S1_4.0-5.6	L11_S4_4.0-9.6	L11_S2_5.6-7.6	L11_S3_7.6-9.6	L11_S5_9.6-11.6	L11_S7_9.6-14.6	L11_S6_11.6-13.6	L11_S8_14.6-19.6	L12_S1_0-4.5	L12_S2_5-7	L12_S4_5-9	L12_S3_7-9
Sample Date			12/20/2010	11/18/2015	11/18/2015	11/18/2015	11/18/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138726-16 138726-22 138726-28 138880-4	15K0838-04	15K0838-05	15K0838-06	15K0838-07	15C0338-01 15C0529-01	15C0150-03	15C0338-02 15C0529-02	15C0150-04	15C0529-03	15A0795-01 15A0976-01	15A0795-03	15A0795-04	15A0795-05 15A0795-05RE1	15A0795-06	138796-1 138796-1RA1	138796-20 138796-23 138796-28	138796-2	138796-3	138796-4	138796-18 138796-24 138796-29 138974-3	138796-5	138796-19 138796-25 138796-30 138974-4	133615-38 133615-45 133615-52 133764-3	133615-23	133615-39 133615-46 133615-53 133615-53RA1 133764-4 133764-5	133615-24
Sample Depth (bgs)			10 - 15 (ft)	2.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	6 - 7.3 (ft)	6 - 7.3 (ft)	7.3 - 9.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	0 - 8 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 5.6 (ft)	4 - 9.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	9.6 - 14.6 (ft)	11.6 - 13.6 (ft)	14.6 - 19.6 (ft)	0 - 4.5 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			9.1 to 4.1	17 to 16	16 to 14	14 to 12	12 to 10	13.3 to 12	13.3 to 12	12 to 10	12 to 10	10 to 8	20 to 12	16 to 14	14 to 12	12 to 10	12 to 10	15.6 to 14	15.6 to 10	14 to 12	12 to 10	10 to 8	10 to 5	8 to 6	5 to 0	19.8 to 15.3	14.8 to 12.8	14.8 to 10.8	12.8 to 10.8
Soil Description			HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	1400	-	200	-	-	930	-	-	1000	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	ND (25)	-	ND (25)	150	-	470	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	ND (25)	-	ND (25)	160	-	500	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	ND (25)	-	ND (25)	190	-	910	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (21)	-	-	-	ND (25)	-	ND (25)	ND (33)	-	170	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	4.3	-	3.3	5.9	-	**130**	-
Arsenic	20	NA	ND (3.7)	-	-	-	-	9.7	-	3.9	-	-	**39**	-	-	6.2	-	-	ND (3.3)	-	-	-	ND (3.9)	-	ND (3.8)	ND (3.4)	-	ND (3.5)	-
Barium	1000	NA	54	-	-	-	-	160	-	44	-	-	110	-	-	53	-	-	120	-	-	-	72	-	55	86	-	680	-
Beryllium	90	NA	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	-	-	ND (0.39)	-	ND (0.38)	ND (0.34)	-	ND (0.35)	-
Cadmium	70	NA	1.3	-	-	-	-	5	-	0.47	-	-	1.9	-	-	0.75	-	-	0.98	-	-	-	1.5	-	1.2	1.6	-	28	-
Chromium	100	NA	32	-	-	-	-	31	-	11	-	-	8.7	-	-	24	-	-	13	-	-	-	40	-	32	27	-	99	-
Chromium VI (Hexavalent)	100	NA	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	ND (1)	-
Lead	200	NA	34	-	-	-	-	**28000**	-	**810**	-	-	**200**	-	-	87	-	-	88	-	-	-	28	-	12	**540**	-	**13000**	-
Mercury	20	NA	0.049	-	-	-	-	0.84	-	0.21	-	-	0.12	-	-	0.26	-	-	0.36	-	-	-	0.041	-	0.1	0.17	-	1.6	-
Nickel	600	NA	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	30	-	23	20	-	150	-
Selenium	400	NA	ND (6.1)	-	-	-	-	ND (6)	-	ND (5.5)	-	-	ND (6)	-	-	ND (6)	-	-	ND (5.4)	-	-	-	ND (6.4)	-	ND (6.4)	ND (5.7)	-	7.2	-
Silver	100	NA	ND (1.2)	-	-	-	-	ND (0.6)	-	ND (0.55)	-	-	ND (0.6)	-	-	ND (0.6)	-	-	ND (1.1)	-	-	-	ND (1.3)	-	ND (1.3)	ND (1.1)	-	ND (1.2)	-
Thallium	8	NA	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	ND (6.4)	-	ND (6.4)	ND (5.7)	-	ND (5.8)	-
Vanadium	400	NA	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	64	-	50	47	-	240	-
Zinc	1000	NA	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	-	-	-	120	-	54	240	-	**3200**	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	580	-	22	-	-	0.084	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	64	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	**ND (2.4)**	**ND (1.2)**	ND (0.12)	ND (0.12)	ND (0.12)	-	**ND (2.3)**	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**ND (1.1)**	**ND (18)**	**ND (9.6)**	ND (0.25)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	**ND (2.4)**	**ND (1.2)**	ND (0.12)	ND (0.12)	ND (0.12)	-	**ND (2.3)**	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**ND (1.1)**	**ND (18)**	**ND (9.6)**	ND (0.25)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	**ND (2.4)**	**ND (1.2)**	ND (0.12)	ND (0.12)	ND (0.12)	-	**ND (2.3)**	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**ND (1.1)**	**ND (18)**	**ND (9.6)**	ND (0.25)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	**ND (2.4)**	**ND (1.2)**	ND (0.12)	ND (0.12)	ND (0.12)	-	**ND (2.3)**	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**ND (1.1)**	**ND (18)**	**ND (9.6)**	ND (0.25)
Aroclor-1248 (PCB-1248)	1	NA	-	0.13	ND (0.11)	ND (0.12)	ND (0.12)	**4.4**	**2.9**	0.21	0.71	ND (0.12)	-	**2.5**	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**ND (1.1)**	**ND (18)**	**ND (9.6)**	ND (0.25)
Aroclor-1254 (PCB-1254)	1	NA	-	0.13	ND (0.11)	ND (0.12)	ND (0.12)	**9**	**6**	0.34	**1.1**	ND (0.12)	-	**10**	ND (0.12)	-	**1.2**	0.46	-	**6**	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**8**	**200**	**160**	**2**
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	**7.9**	**6.4**	0.26	0.96	ND (0.12)	-	**21**	ND (0.12)	-	**2.2**	0.21	-	**4**	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	**3.9**	**130**	**98**	**1.2**
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (2.4)	ND (1.2)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (2.4)	ND (1.2)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)
SUM of PCBs	1	NA	-	0.26	ND	ND	ND	**21.3**	**15.3**	0.81	**2.77**	ND	-	**33.5**	ND	-	**3.4**	0.67	-	**10**	ND	ND	ND	ND	ND	**11.9**	**330**	**258**	**3.2**
Other																													
Percent Solids, vol. (%wt)	NA	NA	-	88.8	86.4	84.9	79	82.9 80.5	81.9	80.7 84.7	82.2	82.5	80.7	88.1	84.1	82.3	80.2	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	165 >	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	-	-	-	ND (4)	-	ND (4)	-	-	ND (3.9)	-	-	ND (3.9)	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	-	-	-	ND (20)	-	ND (20)	-	-	ND (19)	-	-	ND (19)	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	ND (100)	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	450	-	-	-	-	54	-	42	-	-	100	-	-	0	-	-	-	-	-	-	440	-	510	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	NI	-	NI	-	-	NI	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7	-	-	-	-	6.3	-	8.1	-	-	8.6	-	-	10	-	-	7.7	-	-	-	7.3	-	8.1	6.5	-	6.7	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	1.6	-	ND (1.5)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	1.7	-	ND (1.5)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	ND (1.5)	-	1.9	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	1.7	-	1.5	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	ND (2.3)	-	ND (1.7)	3.1	-	3.9	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L12	L12	L12	L12	L12	L12	L12	L12	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L14	L14	L14	L14	L14	L14
Sample Name			L12_S5_9-11	L12_S6_11-13	L12_S7_13-15	L12_S8_15-17	L12_S9_17-19	L12_S10_19-21	L12_S11_21-23	L12_S12_23-25	L13_S5_3.8-10.1	L13_S2_4.1-6.1	L13_S3_6.1-8.1	L13_S4_8.1-10.1	L13_S6_10.1-12.1	L13_S7_12.1-14.1	L13_S8_14.1-16.1	L13_S9_16.1-18.1	L13_S10_18.1-20.1	L13_S11_20.1-22.1	L13_S12_22.1-24.1	L14_S2_4-4.9	L14_S5_4-10	L14_S3_7-8	L14_S4_8-10	L14_S6_10-12	L14_S7_12-14
Sample Date			06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133615-25	133615-26	133615-27	133615-28	133615-29	133615-30	133615-31	133615-32	134640-33 134640-36 134640-41 134833-1	134640-1	134640-2	134640-3 134640-3RA1	134640-4	134640-5	134640-6	134640-7	134640-8	134640-9	134640-10	134292-23	134292-26 134292-53 134292-61 134292-61RA1 134569-4 134569-8	134292-24 134292-24RA1	134292-25	134292-27	134292-28
Sample Depth (bgs)			9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	3.8 - 10.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)	14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)	22.1 - 24.1 (ft)	4 - 4.9 (ft)	4 - 10 (ft)	7 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)			10.8 to 8.8	8.8 to 6.8	6.8 to 4.8	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	-3.2 to -5.2	16.3 to 10	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 15.1	16 to 10	13 to 12	12 to 10	10 to 8	8 to 6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	9.6	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**36**	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**38**	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**34**	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (6.5)**	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**53**	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**ND (0.65)**	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**ND (0.65)**	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.096)	-	-	-	-	-	-	-	-	-	-	-	**ND (2.6)**	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	0.022	-	-	-	-	-	-	-	-	-	-	-	**53**	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	ND (0.65)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	**ND (0.65)**	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	0.022	-	-	-	-	-	-	-	-	-	-	-	226.3	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**16**	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**13**	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**14**	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	**20**	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**29**	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	0.61	-	-	-	-	-	-	-	-	-	-	-	61	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	**95**	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	0.87	-	-	-	-	-	-	-	-	-	-	-	**76**	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	**110**	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	0.45	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	**92**	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	250	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**20**	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	**58**	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (9.2)	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.79)	-	-	-	-	-	-	-	-	-	-	-	**ND (19)**	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	**300**	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	16.94	-	-	-	-	-	-	-	-	-	-	-	1493	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L12	L12	L12	L12	L12	L12	L12	L12	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L14	L14	L14	L14	L14	L14
Sample Name			L12_S5_9-11	L12_S6_11-13	L12_S7_13-15	L12_S8_15-17	L12_S9_17-19	L12_S10_19-21	L12_S11_21-23	L12_S12_23-25	L13_S5_3.8-10.1	L13_S2_4.1-6.1	L13_S3_6.1-8.1	L13_S4_8.1-10.1	L13_S6_10.1-12.1	L13_S7_12.1-14.1	L13_S8_14.1-16.1	L13_S9_16.1-18.1	L13_S10_18.1-20.1	L13_S11_20.1-22.1	L13_S12_22.1-24.1	L14_S2_4-4.9	L14_S5_4-10	L14_S3_7-8	L14_S4_8-10	L14_S6_10-12	L14_S7_12-14
Sample Date			06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133615-25	133615-26	133615-27	133615-28	133615-29	133615-30	133615-31	133615-32	134640-33 134640-36 134640-41 134833-1	134640-1	134640-2	134640-3 134640-3RA1	134640-4	134640-5	134640-6	134640-7	134640-8	134640-9	134640-10	134292-23	134292-26 134292-53 134292-61 134292-61RA1 134569-4 134569-8	134292-24 134292-24RA1	134292-25	134292-27	134292-28
Sample Depth (bgs)			9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	3.8 - 10.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)	14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)	22.1 - 24.1 (ft)	4 - 4.9 (ft)	4 - 10 (ft)	7 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)			10.8 to 8.8	8.8 to 6.8	6.8 to 4.8	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	-3.2 to -5.2	16.3 to 10	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 15.1	16 to 10	13 to 12	12 to 10	10 to 8	8 to 6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	**3900**	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-	6100	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	**1400**	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	**4200**	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	0.28	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	670	-	-	-	-	-	-	-	-	-	-	-	**1000**	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	**ND (60)**	ND (0.055)	ND (0.051)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	**ND (60)**	ND (0.055)	ND (0.051)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	**ND (60)**	ND (0.055)	ND (0.051)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	**ND (60)**	ND (0.055)	ND (0.051)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	**ND (60)**	ND (0.055)	ND (0.051)
Aroclor-1254 (PCB-1254)	1	NA	0.093	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.51	**8.3**	0.6	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	0.27	ND (0.052)	ND (0.067)	0.073	-	**1.1**	**ND (60)**	ND (0.055)	ND (0.051)
Aroclor-1260 (PCB-1260)	1	NA	0.052	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.3	**5.8**	0.34	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	0.19	ND (0.052)	ND (0.067)	ND (0.045)	-	**1.2**	**230**	ND (0.055)	ND (0.051)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)
SUM of PCBs	1	NA	0.145	ND	ND	ND	ND	ND	ND	ND	-	0.81	**14.1**	0.94	ND	ND	ND	ND	0.46	ND	ND	0.073	-	**2.3**	**230**	ND	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	4.1	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	8.7	-	-	-	-	-	-	-	-	-	-	-	64	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L14	L14	L14	L14	L14	L14A	L14A	L14A	L14A	L15	L15	L15	L15	L15	L15	L15	L15	L15	L15A	L15A	L15A	L16	L16	L16
Sample Name			L14_S8_14-16	L14_S9_16-18	L14_S10_18-20	L14_S11_20-22	L14_S12_22-24	L14a_S1_4-9	L14a_S2_9-14	L14a_S3_14-19	L14a_S4_22-27	L15_S2_6-8	L15_S4_6-10	L15_S3_8-10	L15_S5_10-12	L15_S6_12-14	L15_S7_14-16	L15_S8_16-18	L15_S9_18-20	L15_S10_20-22	L15A_S1_3-8	L15A_S2_3-4	L15A_S3_4-6	L16_S2_2.4-3.8	L16_S6_2.4-7.6	L16_S3_3.8-5.8
Sample Date			06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	01/03/2011	01/03/2011	01/03/2011	01/03/2011	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	01/23/2015	01/23/2015	01/23/2015	06/25/2010	06/25/2010	06/25/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134292-29	134292-30	134292-31	134292-32	134292-33	138916-30 138916-42 138916-54 139127-4	138916-31 138916-43 138916-55 139127-5	138916-32 138916-44 138916-56	138916-33 138916-45 138916-57 139127-14	134292-2	134292-3 134292-49 134292-57 134569-1 134569-7	134292-64	134292-4 134292-4RA1	134292-5 134292-5RA1	134292-6	134292-7	134292-8	134292-9	15A0794-01	15A0794-02	15A0794-03	134292-35	134292-39 134292-55 134292-63 134569-6 134569-9	134292-36
Sample Depth (bgs)			14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	22 - 27 (ft)	6 - 8 (ft)	6 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	3 - 8 (ft)	3 - 4 (ft)	4 - 6 (ft)	2.4 - 3.8 (ft)	2.4 - 7.6 (ft)	3.8 - 5.8 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 11	11 to 6	6 to 1	-2 to -7	14 to 12	14 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	16.9 to 11.9	16.9 to 15.9	15.9 to 13.9	17.4 to 16	17.4 to 12.2	16 to 14
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	1.8	-	-	-	-	-	-	-	ND (0.004)	-	-	-	1.4	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	**2.8**	-	-	-	-	-	-	-	ND (0.004)	-	-	-	**2.1**	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	-	ND (0.72)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	0.93	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	**1.8**	-	-	-	-	-	-	-	ND (0.002)	-	-	-	**ND (0.72)**	-
Acetone	6	NA	-	-	-	-	-	ND (0.25)	ND (0.27)	ND (0.23)	ND (0.32)	-	**ND (9.2)**	-	-	-	-	-	-	-	ND (0.1)	-	-	-	**ND (7.2)**	-
Benzene	2	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	**ND (0.92)**	-	-	-	-	-	-	-	ND (0.004)	-	-	-	**ND (0.72)**	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	0.84	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.004)	-	-	-	ND (0.72)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	**ND (0.92)**	-	-	-	-	-	-	-	ND (0.004)	-	-	-	**ND (0.72)**	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.062)	ND (0.067)	ND (0.057)	ND (0.08)	-	**ND (3.7)**	-	-	-	-	-	-	-	ND (0.01)	-	-	-	**ND (2.9)**	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	0.079	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.01)	-	-	-	1.9	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Styrene	3	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Toluene	30	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	ND (0.92)	-	-	-	-	-	-	-	ND (0.002)	-	-	-	ND (0.72)	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	-	**ND (0.92)**	-	-	-	-	-	-	-	ND (0.002)	-	-	-	**ND (0.72)**	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	ND	0.079	ND	-	7.33	-	-	-	-	-	-	-	ND	-	-	-	6.24	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	**6.9**	ND (0.41)	ND (0.42)	ND (0.53)	-	**2.3**	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	**5.7**	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	**4.7**	ND (0.41)	ND (0.42)	ND (0.53)	-	**ND (0.73)**	-	-	-	-	-	-	-	ND (0.38)	-	-	-	**ND (1.8)**	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	**ND (0.73)**	-	-	-	-	-	-	-	ND (0.38)	-	-	-	**ND (1.8)**	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	**ND (1.5)**	-	-	-	-	-	-	-	ND (0.38)	-	-	-	**ND (1.8)**	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	**ND (0.73)**	-	-	-	-	-	-	-	0.46	-	-	-	**ND (1.8)**	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Acenaphthene	4	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	0.31	-	-	-	ND (1.8)	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	**ND (1.8)**	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Aniline	NA	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Anthracene	1000	NA	-	-	-	-	-	0.58	0.44	ND (0.42)	ND (0.53)	-	1.1	-	-	-	-	-	-	-	0.59	-	-	-	ND (1.8)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	1.8	0.68	ND (0.42)	ND (0.53)	-	2.5	-	-	-	-	-	-	-	1.2	-	-	-	3.4	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	1.6	0.5	ND (0.42)	ND (0.53)	-	**2.4**	-	-	-	-	-	-	-	1	-	-	-	**3.4**	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	1.9	0.57	ND (0.42)	ND (0.53)	-	4.4	-	-	-	-	-	-	-	1.3	-	-	-	5.5	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	1.1	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	0.72	-	-	-	ND (1.8)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	0.69	ND (0.41)	ND (0.42)	ND (0.53)	-	1.5	-	-	-	-	-	-	-	0.52	-	-	-	1.9	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	1.1	-	-	-	-	-	-	-	0.51	-	-	-	2.1	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Carbazole	NA	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	-	-	-	-	ND (1.8)	-
Chrysene	70	NA	-	-	-	-	-	1.7	0.57	ND (0.42)	ND (0.53)	-	2.6	-	-	-	-	-	-	-	1.3	-	-	-	3.8	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	**ND (0.73)**	-	-	-	-	-	-	-	0.19	-	-	-	**ND (1.8)**	-
Dibenzofuran	100	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.75)	-	-	-	ND (1.8)	-
Fluoranthene	1000	NA	-	-	-	-	-	3.4	1.4	ND (0.42)	ND (0.53)	-	4.9	-	-	-	-	-	-	-	3.2	-	-	-	7.1	-
Fluorene	1000	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	0.36	-	-	-	ND (1.8)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	1.1	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	0.72	-	-	-	ND (1.8)	-
Isophorone	100	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (1.8)	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	1.3	-	-	-	ND (1.8)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	-	-	-	-	ND (1.8)	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (1.7)	ND (1.6)	ND (1.6)	ND (2.1)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	**ND (3.7)**	-
Phenanthrene	10	NA	-	-	-	-	-	2.4	1.2	ND (0.42)	ND (0.53)	-	4.4	-	-	-	-	-	-	-	3.4	-	-	-	4.8	-
Phenol	1	NA	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	-	ND (0.73)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	**ND (1.8)**	-
Pyrene	1000	NA	-	-	-	-	-	3.1	1.2	ND (0.42)	ND (0.53)	-	4.5	-	-	-	-	-	-	-	2.6	-	-	-	5.7	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	36.67	6.56	ND	ND	-	31.7	-	-	-	-	-	-	-	19.68	-	-	-	37.7	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L14	L14	L14	L14	L14	L14A	L14A	L14A	L14A	L15	L15	L15	L15	L15	L15	L15	L15	L15	L15A	L15A	L15A	L16	L16	L16
Sample Name			L14_S8_14-16	L14_S9_16-18	L14_S10_18-20	L14_S11_20-22	L14_S12_22-24	L14a_S1_4-9	L14a_S2_9-14	L14a_S3_14-19	L14a_S4_22-27	L15_S2_6-8	L15_S4_6-10	L15_S3_8-10	L15_S5_10-12	L15_S6_12-14	L15_S7_14-16	L15_S8_16-18	L15_S9_18-20	L15_S10_20-22	L15A_S1_3-8	L15A_S2_3-4	L15A_S3_4-6	L16_S2_2.4-3.8	L16_S6_2.4-7.6	L16_S3_3.8-5.8
Sample Date			06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	01/03/2011	01/03/2011	01/03/2011	01/03/2011	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	01/23/2015	01/23/2015	01/23/2015	06/25/2010	06/25/2010	06/25/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134292-29	134292-30	134292-31	134292-32	134292-33	138916-30 138916-42 138916-54 139127-4	138916-31 138916-43 138916-55 139127-5	138916-32 138916-44 138916-56	138916-33 138916-45 138916-57 139127-14	134292-2	134292-3 134292-49 134292-57 134569-1 134569-7	134292-64	134292-4 134292-4RA1	134292-5 134292-5RA1	134292-6	134292-7	134292-8	134292-9	15A0794-01	15A0794-02	15A0794-03	134292-35	134292-39 134292-55 134292-63 134569-6 134569-9	134292-36
Sample Depth (bgs)			14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	22 - 27 (ft)	6 - 8 (ft)	6 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	3 - 8 (ft)	3 - 4 (ft)	4 - 6 (ft)	2.4 - 3.8 (ft)	2.4 - 7.6 (ft)	3.8 - 5.8 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 11	11 to 6	6 to 1	-2 to -7	14 to 12	14 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	16.9 to 11.9	16.9 to 15.9	15.9 to 13.9	17.4 to 16	17.4 to 12.2	16 to 14
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	130	35	33	ND (32)	-	320	-	-	-	-	-	-	-	-	-	-	-	560	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	170	38	36	34	-	350	-	-	-	-	-	-	-	-	-	-	-	580	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	50	ND (26)	44	ND (32)	-	470	-	-	-	-	-	-	-	-	-	-	-	740	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	32	ND (26)	ND (26)	ND (32)	-	110	-	-	-	-	-	-	-	-	-	-	-	200	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	3	3.1	1.8	4.2	-	**30**	-	-	-	-	-	-	-	-	-	-	-	**150**	-
Arsenic	20	NA	-	-	-	-	-	4.4	ND (3.9)	ND (3.8)	5.8	-	10	-	-	-	-	-	-	-	ND (2.7)	-	-	-	ND (3.2)	-
Barium	1000	NA	-	-	-	-	-	64	49	34	55	-	250	-	-	-	-	-	-	-	57	-	-	-	550	-
Beryllium	90	NA	-	-	-	-	-	ND (0.41)	ND (0.39)	ND (0.38)	ND (0.5)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	ND (0.32)	-
Cadmium	70	NA	-	-	-	-	-	2.2	6.2	0.93	2	-	14	-	-	-	-	-	-	-	0.56	-	-	-	19	-
Chromium	100	NA	-	-	-	-	-	18	23	21	44	-	60	-	-	-	-	-	-	-	11	-	-	-	96	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	200	NA	-	-	-	-	-	170	**240**	33	15	-	**2900**	-	-	-	-	-	-	-	42	-	-	-	**13000**	-
Mercury	20	NA	-	-	-	-	-	0.56	0.29	0.26	0.066	-	1.7	-	-	-	-	-	-	-	0.11	-	-	-	3.2	-
Nickel	600	NA	-	-	-	-	-	30	16	14	29	-	78	-	-	-	-	-	-	-	-	-	-	-	120	-
Selenium	400	NA	-	-	-	-	-	ND (6.9)	ND (6.5)	ND (6.4)	ND (8.3)	-	ND (15)	-	-	-	-	-	-	-	ND (5.3)	-	-	-	ND (18)	-
Silver	100	NA	-	-	-	-	-	ND (1.4)	ND (1.3)	ND (1.3)	ND (1.7)	-	ND (1.1)	-	-	-	-	-	-	-	ND (0.53)	-	-	-	ND (1.1)	-
Thallium	8	NA	-	-	-	-	-	ND (6.9)	ND (6.5)	ND (6.4)	**ND (8.3)**	-	ND (5.7)	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-
Vanadium	400	NA	-	-	-	-	-	51	39	33	69	-	110	-	-	-	-	-	-	-	-	-	-	-	170	-
Zinc	1000	NA	-	-	-	-	-	820	170	48	66	-	**1300**	-	-	-	-	-	-	-	-	-	-	-	**2600**	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	2.7	0.3	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	430	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**ND (96)**	-	**ND (2.2)**	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	**ND (440)**	-	**ND (490)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**ND (96)**	-	**ND (2.2)**	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	**ND (440)**	-	**ND (490)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**ND (96)**	-	**ND (2.2)**	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	**ND (440)**	-	**ND (490)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**ND (96)**	-	**ND (2.2)**	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	**ND (440)**	-	**ND (490)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**ND (96)**	-	**ND (2.2)**	**4.7**	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	0.15	0.13	**ND (440)**	-	**ND (490)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**300**	-	**11**	ND (0.05)	**1.1**	0.065	ND (0.051)	ND (0.051)	ND (0.066)	-	0.26	0.21	**2400**	-	**1000**
Aroclor-1260 (PCB-1260)	1	NA	0.23	0.099	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	**240**	-	**8.2**	0.4	0.95	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	**1600**	-	**740**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (96)	-	ND (2.2)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	ND (440)	-	ND (490)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (96)	-	ND (2.2)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	-	ND (0.11)	ND (0.11)	ND (440)	-	ND (490)
SUM of PCBs	1	NA	0.23	0.099	ND	ND	ND	-	-	-	-	**540**	-	**19.2**	**5.1**	**2.05**	0.065	ND	ND	ND	-	0.41	0.34	**4000**	-	**1740**
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.8	87.3	89.8	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	165 >	165 >	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	-	ND (50)	-	-	-	-	-	-	-	ND (4)	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (100)	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	550	-	490	-	-	-	-	-	-	-	100	-	-	-	460	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	7.1	7.1	7	7.1	-	6.9	-	-	-	-	-	-	-	11	-	-	-	7.2	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.6)	ND (1.3)	ND (1.4)	ND (2.2)	-	2.5	-	-	-	-	-	-	-	-	-	-	-	1.6	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.6)	ND (1.3)	ND (1.4)	ND (2.2)	-	2.8	-	-	-	-	-	-	-	-	-	-	-	1.9	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	1.6	ND (1.3)	ND (1.4)	ND (2.2)	-	3.1	-	-	-	-	-	-	-	-	-	-	-	7.3	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1.6)	ND (1.3)	ND (1.4)	ND (2.2)	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	5.2	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	2.6	ND (1.3)	ND (1.4)	ND (2.2)	-	4.5	-	-	-	-	-	-	-	-	-	-	-	13	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L17	L17	L17	L17	L17	L17	L17	L17	L17	L17	L17	L17
Sample Name			L16_S4_5.8-7.8	L16_S5_7.8-9.8	L16_S7_9.8-11.8	L16_S8_11.8-13.8	L16_S9_13.8-15.8	L16_S10_15.8-17.8	L16_S11_17.8-19.8	L16_S12_19.8-21.8	L16_S13_21.8-23.3	L16_S14_23.3-23.8	L17_S2_2.6-3.7	L17_S8_2.6-10.5	L17_S3_3.7-5.7	L17_S4_5.7-7.7	L17_S5_7.7-9.7	L17_S6_9.7-11.7	L17_S7_11.7-13.7	L17_S9_13.7-15.7	L17_S10_15.7-17.7	L17_S11_17.7-19.7	L17_S12_19.7-21.7	L17_S13_21.7-23.7
Sample Date			06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																						
Lab Sample ID			134292-37	134292-38	134292-40	134292-41	134292-42	134292-43	134292-44	134292-45	134292-46	134292-47	134611-2	134611-49 134611-56 134611-8 134787-2	134611-3	134611-4	134611-5	134611-6	134611-7 134611-7RA1	134611-9	134611-10	134611-11	134611-12	134611-13
Sample Depth (bgs)			5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.3 (ft)	23.3 - 23.8 (ft)	2.6 - 3.7 (ft)	2.6 - 10.5 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21.7 (ft)	21.7 - 23.7 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	17.1 to 16	17.1 to 9.2	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	0.69	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	0.64	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.7)	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	7.67	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L17	L17	L17	L17	L17	L17	L17	L17	L17	L17	L17	L17
Sample Name			L16_S4_5.8-7.8	L16_S5_7.8-9.8	L16_S7_9.8-11.8	L16_S8_11.8-13.8	L16_S9_13.8-15.8	L16_S10_15.8-17.8	L16_S11_17.8-19.8	L16_S12_19.8-21.8	L16_S13_21.8-23.3	L16_S14_23.3-23.8	L17_S2_2.6-3.7	L17_S8_2.6-10.5	L17_S3_3.7-5.7	L17_S4_5.7-7.7	L17_S5_7.7-9.7	L17_S6_9.7-11.7	L17_S7_11.7-13.7	L17_S9_13.7-15.7	L17_S10_15.7-17.7	L17_S11_17.7-19.7	L17_S12_19.7-21.7	L17_S13_21.7-23.7
Sample Date			06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria												134611-49 134611-56 134611-8					134611-7					
Lab Sample ID			134292-37	134292-38	134292-40	134292-41	134292-42	134292-43	134292-44	134292-45	134292-46	134292-47	134611-2	134787-2	134611-3	134611-4	134611-5	134611-6	134611-7RA1	134611-9	134611-10	134611-11	134611-12	134611-13
Sample Depth (bgs)			5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.3 (ft)	23.3 - 23.8 (ft)	2.6 - 3.7 (ft)	2.6 - 10.5 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21.7 (ft)	21.7 - 23.7 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	17.1 to 16	17.1 to 9.2	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	290	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	ND (3.2)	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	81	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.32)	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	**1200**	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	430	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	**ND (51)**	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	**ND (45)**	-	ND (0.44)	**ND (4.6)**	**ND (2.3)**	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1221 (PCB-1221)	1	NA	**ND (51)**	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	**ND (45)**	-	ND (0.44)	**ND (4.6)**	**ND (2.3)**	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1232 (PCB-1232)	1	NA	**ND (51)**	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	**ND (45)**	-	ND (0.44)	**ND (4.6)**	**ND (2.3)**	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1242 (PCB-1242)	1	NA	**ND (51)**	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	**ND (45)**	-	ND (0.44)	**ND (4.6)**	**ND (2.3)**	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1248 (PCB-1248)	1	NA	**140**	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	0.092	ND (0.062)	ND (0.049)	**ND (45)**	-	ND (0.44)	**ND (4.6)**	**ND (2.3)**	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1254 (PCB-1254)	1	NA	**ND (51)**	0.14	0.17	ND (0.051)	ND (0.051)	ND (0.056)	0.058	ND (0.05)	ND (0.062)	ND (0.049)	**340**	-	**1.4**	**ND (4.6)**	**ND (2.3)**	ND (0.053)	**1.1**	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1260 (PCB-1260)	1	NA	**52**	0.096	0.11	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	**210**	-	**1**	**13**	**11**	ND (0.053)	0.82	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1262 (PCB-1262)	NA	NA	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (45)	-	ND (0.44)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
Aroclor-1268 (PCB-1268)	NA	NA	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (45)	-	ND (0.44)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)
SUM of PCBs	1	NA	**192**	0.236	0.28	ND	ND	ND	0.058	0.092	ND	ND	**550**	-	**2.4**	**13**	**11**	ND	**1.92**	ND	ND	ND	ND	ND
Other																								
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L18	L18	L18	L18	L18	L18	L18	L18	L18	L18	L18	L18	M4	M4	M4	M4	M4	M5	M5	M5	M5	M5	M6	M6	M6
Sample Name			L18_S2_3.5-5.5	L18_S4_3.5-7.5	L18_S3_5.5-7.5	L18_S5_7.5-9.5	L18_S6_9.5-11.5	L18_S7_11.5-13.5	L18_S8_13.5-15.5	L18_S9_15.5-17.5	L18_S10_17.5-19.5	L18_S11_19.5-21.5	L18_S12_21.5-23.5	L18_S13_23.5-25.5	M4_S1_0.8-1.8'	M4_S2_1.8-3.8'	M4_S3_3.8-5.8'	Z4_S3_3.8-5.8'	M4_S4_5.8-7.8'	M5_S1_1.1-2.1	M5_S2_2.1-4.1	Z5_S2_2.1-4.1	M5_S3_4.1-6.1	M5_S4_6.1-8.1	M6_S1_1.4-2.4'	M6_S2_2.4-4.4'	M6_S3_4.4-6.4'
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134053-22	134053-58 134053-65 134053-74 134263-4	134053-23	134053-24	134053-25	134053-26	134053-27	134053-28	134053-29	134053-30	134053-31	134053-32	15K0837-11	15K0837-12	15K0837-13	15K0837-17	15K0837-14	15K1157-19	15K1157-20	15K1175-05	15K1175-01	15K1175-02	15K0757-01	15K0757-02	15K0757-03
Sample Depth (bgs)			3.5 - 5.5 (ft)	3.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)
Sample Elevation (ft BCB)			16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17 to 16	16 to 14	14 to 12	14 to 12	12 to 10	17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	17.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			L18	L18	L18	L18	L18	L18	L18	L18	L18	L18	L18	L18	M4	M4	M4	M4	M4	M5	M5	M5	M5	M5	M6	M6
Sample Name			L18_S2_3.5-5.5	L18_S4_3.5-7.5	L18_S3_5.5-7.5	L18_S5_7.5-9.5	L18_S6_9.5-11.5	L18_S7_11.5-13.5	L18_S8_13.5-15.5	L18_S9_15.5-17.5	L18_S10_17.5-19.5	L18_S11_19.5-21.5	L18_S12_21.5-23.5	L18_S13_23.5-25.5	M4_S1_0.8-1.8'	M4_S2_1.8-3.8'	M4_S3_3.8-5.8'	Z4_S3_3.8-5.8'	M4_S4_5.8-7.8'	M5_S1_1.1-2.1	M5_S2_2.1-4.1	Z5_S2_2.1-4.1	M5_S3_4.1-6.1	M5_S4_6.1-8.1	M6_S1_1.4-2.4'	M6_S2_2.4-4.4'	M6_S3_4.4-6.4'
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134053-22	134053-58 134053-65 134053-74 134263-4	134053-23	134053-24	134053-25	134053-26	134053-27	134053-28	134053-29	134053-30	134053-31	134053-32	15K0837-11	15K0837-12	15K0837-13	15K0837-17	15K0837-14	15K1157-19	15K1157-20	15K1175-05	15K1175-01	15K1175-02	15K0757-01	15K0757-02	15K0757-03
Sample Depth (bgs)			3.5 - 5.5 (ft)	3.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)
Sample Elevation (ft BCB)			16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17 to 16	16 to 14	14 to 12	14 to 12	12 to 10	17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	ND (3.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.33)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	0.16	ND (0.11)	ND (0.11)	ND (0.11)	**2.4**	**1**	0.25	ND (0.11)	ND (0.12)	0.54	0.87	0.26
Aroclor-1254 (PCB-1254)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	0.25	ND (0.11)	ND (0.11)	ND (0.11)	**1.1**	0.33	0.15	ND (0.11)	ND (0.12)	0.94	**1.4**	0.42
Aroclor-1260 (PCB-1260)	1	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	0.12	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	0.19	ND (0.11)	ND (0.11)	ND (0.12)	**1.1**	**1.8**	0.61
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
SUM of PCBs	1	NA	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND	ND	**3.5**	**1.52**	0.4	ND	ND	**2.58**	**4.07**	**1.29**
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	94.2	86.5	85.6	87.6	92.7	87.4	89.6	88.1	94.2	82.9	94.8	87.6	89.7
Ignitability (Deg F)	NA	NA	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M6	M7	M7	M7	M7A	M7A	M7A	M7A	M8	M8	M8	M8	M9	M9	M9	M9	M10	M10	M10	M10	M11	M11	M11	M11	M11	M11
Sample Name			M6_S4_6.4-8.4'	M7_S1_5-10	M7_S2_10-15	M7_S3_15-20	M7A_S1_1.6-2.6	M7A_S2_2.6-4.6	M7A_S3_4.6-6.6	M7A_S4_6.6-8.6	M8_S1_1.7-2.7'	M8_S2_2.7-4.7'	M8_S3_4.7-6.7'	M8_S4_6.7-8.7'	M9_S1_6.0-7.0	M9_S3_6.0-7.0	M9_S2_7.0-9.0	M9_S4_7.0-9.0	M10_S1_6.4-7.0	M10_S2_6.4-7.0	M10_S3_7.0-9.0	M10_S4_9.0-11.0	M11_S2_5-7	M11_S4_5-9	M11_S3_7-9	M11_S5_9-11	M11_S6_11-13	M11_S7_13-15
Sample Date			11/17/2015	12/20/2010	12/21/2010	12/21/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			15K0757-04	138726-18 138726-24 138726-30	138733-21 138733-32 138733-41	138733-22 138733-33 138733-42 138975-8	15K1070-16	15K1070-17	15K1070-18	15K1070-19	15K0838-09	15K0838-10	15K0838-11	15K0838-12	15C0527-01 15C0905-01	15C0527-03	15C0527-02 15C0905-02	15C0527-04	15C0080-01	15C0080-02	15C0080-03	15C0524-01	133615-15	133615-37 133615-44 133615-51 133764-2	133615-16	133615-17	133615-18	133615-19
Sample Depth (bgs)			6.4 - 8.4 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	6 - 7 (ft)	6 - 7 (ft)	7 - 9 (ft)	7 - 9 (ft)	6.4 - 7 (ft)	6.4 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)
Sample Elevation (ft BCB)			12 to 10	13.6 to 8.6	8.6 to 3.6	3.6 to -1.4	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	13 to 12	13 to 12	12 to 10	12 to 10	12.6 to 12	12.6 to 12	12 to 10	10 to 8	14.1 to 12.1	14.1 to 10.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0048)	-	-	-	-	ND (0.007)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0048)	-	-	-	-	ND (0.007)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Acetone	6	NA	-	ND (0.2)	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.056)	-	ND (0.059)	-	ND (0.12)	-	-	-	-	ND (0.27)	-	-	-	-
Benzene	2	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0048)	-	-	-	-	ND (0.007)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	0.0013	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	0.0026	-	ND (0.0024)	-	ND (0.0048)	-	-	-	-	ND (0.007)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0048)	-	-	-	-	ND (0.007)	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.05)	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.0056)	-	ND (0.0059)	-	ND (0.012)	-	-	-	-	ND (0.069)	-	-	-	-
Naphthalene	4	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0056)	-	ND (0.0059)	-	ND (0.012)	-	-	-	-	ND (0.007)	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
o-Xylene	NA	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	0.0011	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Styrene	3	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	0.002	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Toluene	30	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0024)	-	-	-	-	ND (0.007)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	ND	ND	-	-	-	-	-	-	-	-	0.007	-	ND	-	ND	-	-	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	**ND (1.5)**	-	**ND (1.6)**	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	**ND (1.5)**	-	**ND (1.6)**	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	**ND (1.5)**	-	**ND (1.6)**	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	**ND (0.77)**	-	**3.3**	-	ND (0.25)	-	-	-	-	0.38	-	-	-	-
2-Methylphenol	500	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Acenaphthene	4	NA	-	**10**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.77)	-	0.92	-	ND (0.25)	-	-	-	-	ND (0.38)	-	-	-	-
Acenaphthylene	1	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.77)	-	**1.1**	-	ND (0.25)	-	-	-	-	ND (0.38)	-	-	-	-
Acetophenone	NA	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Aniline	NA	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Anthracene	1000	NA	-	26	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.77)	-	1.1	-	ND (0.25)	-	-	-	-	0.93	-	-	-	-
Benzo(a)anthracene	7	NA	-	**48**	0.66	ND (0.42)	-	-	-	-	-	-	-	-	1	-	3.6	-	ND (0.25)	-	-	-	-	2.2	-	-	-	-
Benzo(a)pyrene	2	NA	-	**40**	0.52	ND (0.42)	-	-	-	-	-	-	-	-	1	-	**3.2**	-	ND (0.25)	-	-	-	-	**2**	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	**48**	0.57	ND (0.42)	-	-	-	-	-	-	-	-	1.6	-	4.4	-	0.29	-	-	-	-	2.4	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	25	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.84	-	1.5	-	ND (0.25)	-	-	-	-	0.77	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	16	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.77)	-	1.5	-	ND (0.25)	-	-	-	-	0.93	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	0.65	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Carbazole	NA	NA	-	10	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Chrysene	70	NA	-	44	0.55	ND (0.42)	-	-	-	-	-	-	-	-	1.1	-	3.2	-	0.38	-	-	-	-	2.2	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	**6.8**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	**ND (0.77)**	-	**ND (0.79)**	-	ND (0.25)	-	-	-	-	ND (0.38)	-	-	-	-
Dibenzofuran	100	NA	-	9.6	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Diethyl phthalate	10	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.97)	-	-	-	-	ND (0.38)	-	-	-	-
Fluoranthene	1000	NA	-	90	1.4	ND (0.42)	-	-	-	-	-	-	-	-	2	-	8.6	-	0.43	-	-	-	-	4.5	-	-	-	-
Fluorene	1000	NA	-	13	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.77)	-	2.1	-	ND (0.25)	-	-	-	-	ND (0.38)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	**26**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.9	-	1.9	-	ND (0.25)	-	-	-	-	0.92	-	-	-	-
Isophorone	100	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Naphthalene	4	NA	-	**6.2**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.77)	-	**4.1**	-	ND (0.25)	-	-	-	-	ND (0.38)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-
Pentachlorophenol	3	NA	-	**ND (12)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Phenanthrene	10	NA	-	**81**	0.83	ND (0.42)	-	-	-	-	-	-	-	-	0.79	-	5	-	0.54	-	-	-	-	3.6	-	-	-	-
Phenol	1	NA	-	**ND (5.9)**	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	**ND (1.5)**	-	**ND (1.6)**	-	ND (0.49)	-	-	-	-	ND (0.38)	-	-	-	-
Pyrene	1000	NA	-	87	1.1	ND (0.42)	-	-	-	-	-	-	-	-	1.8	-	7.8	-	0.39	-	-	-	-	4	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	586.6	5.63	ND	-	-	-	-	-	-	-	-	11.03	-	53.32	-	2.03	-	-	-	-	25.48	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M6	M7	M7	M7	M7A	M7A	M7A	M7A	M8	M8	M8	M8	M9	M9	M9	M9	M10	M10	M10	M10	M11	M11	M11	M11	M11	M11
Sample Name			M6_S4_6.4-8.4'	M7_S1_5-10	M7_S2_10-15	M7_S3_15-20	M7A_S1_1.6-2.6	M7A_S2_2.6-4.6	M7A_S3_4.6-6.6	M7A_S4_6.6-8.6	M8_S1_1.7-2.7'	M8_S2_2.7-4.7'	M8_S3_4.7-6.7'	M8_S4_6.7-8.7'	M9_S1_6.0-7.0	M9_S3_6.0-7.0	M9_S2_7.0-9.0	M9_S4_7.0-9.0	M10_S1_6.4-7.0	M10_S2_6.4-7.0	M10_S3_7.0-9.0	M10_S4_9.0-11.0	M11_S2_5-7	M11_S4_5-9	M11_S3_7-9	M11_S5_9-11	M11_S6_11-13	M11_S7_13-15
Sample Date			11/17/2015	12/20/2010	12/21/2010	12/21/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			15K0757-04	138726-18 138726-24 138726-30	138733-21 138733-32 138733-41	138733-22 138733-33 138733-42 138975-8	15K1070-16	15K1070-17	15K1070-18	15K1070-19	15K0838-09	15K0838-10	15K0838-11	15K0838-12	15C0527-01 15C0905-01	15C0527-03	15C0527-02 15C0905-02	15C0527-04	15C0080-01	15C0080-02	15C0080-03	15C0524-01	133615-15	133615-37 133615-44 133615-51 133764-2	133615-16	133615-17	133615-18	133615-19
Sample Depth (bgs)			6.4 - 8.4 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	6 - 7 (ft)	6 - 7 (ft)	7 - 9 (ft)	7 - 9 (ft)	6.4 - 7 (ft)	6.4 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)
Sample Elevation (ft BCB)			12 to 10	13.6 to 8.6	8.6 to 3.6	3.6 to -1.4	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	13 to 12	13 to 12	12 to 10	12 to 10	12.6 to 12	12.6 to 12	12 to 10	10 to 8	14.1 to 12.1	14.1 to 10.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	1300	-	1300	-	180	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	**2500**	77	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	3700	100	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	220	41	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (35)	ND (26)	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	ND (1.2)	4.1	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Arsenic	20	NA	-	8.6	ND (3.9)	ND (3.9)	-	-	-	-	-	-	-	-	13	-	11	-	9.2	-	-	-	-	ND (3.6)	-	-	-	-
Barium	1000	NA	-	57	43	78	-	-	-	-	-	-	-	-	120	-	43	-	73	-	-	-	-	68	-	-	-	-
Beryllium	90	NA	-	ND (0.36)	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-
Cadmium	70	NA	-	1.5	0.98	1.5	-	-	-	-	-	-	-	-	3.1	-	1.7	-	1.5	-	-	-	-	2.6	-	-	-	-
Chromium	100	NA	-	8.7	27	42	-	-	-	-	-	-	-	-	30	-	13	-	7.5	-	-	-	-	17	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	94	50	24	-	-	-	-	-	-	-	-	**26000**	-	**18000**	-	88	-	-	-	-	**290**	-	-	-	-
Mercury	20	NA	-	0.81	0.12	ND (0.022)	-	-	-	-	-	-	-	-	0.28	-	0.17	-	0.057	-	-	-	-	0.12	-	-	-	-
Nickel	600	NA	-	8.7	17	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-
Selenium	400	NA	-	ND (6)	ND (6.5)	ND (6.5)	-	-	-	-	-	-	-	-	ND (5.2)	-	ND (5.6)	-	ND (6.7)	-	-	-	-	ND (6)	-	-	-	-
Silver	100	NA	-	ND (1.2)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	ND (0.52)	-	ND (0.56)	-	ND (0.67)	-	-	-	-	ND (1.2)	-	-	-	-
Thallium	8	NA	-	ND (6)	ND (6.5)	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-
Vanadium	400	NA	-	19	39	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-
Zinc	1000	NA	-	390	63	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.13)	-	-	-	ND (0.11)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	**ND (22)**	**ND (2.2)**	ND (0.55)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.13)	-	-	-	ND (0.11)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	**ND (22)**	**ND (2.2)**	ND (0.55)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.13)	-	-	-	ND (0.11)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	**ND (22)**	**ND (2.2)**	ND (0.55)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.13)	-	-	-	ND (0.11)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	**ND (22)**	**ND (2.2)**	ND (0.55)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.13)	-	-	-	0.45	**ND (1.1)**	ND (0.1)	ND (0.12)	0.34	ND (0.12)	0.29	ND (0.11)	**53**	**6.5**	**1.2**	0.43	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.13)	-	-	-	0.37	**2**	0.18	ND (0.12)	0.43	ND (0.12)	0.42	ND (0.11)	**95**	**11**	**2.4**	0.98	-	ND (0.13)	ND (0.15)	ND (0.12)	0.095	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.13)	-	-	-	0.21	**4.9**	0.39	ND (0.12)	0.43	ND (0.12)	0.59	ND (0.11)	**77**	**9.8**	**3.6**	**1.4**	-	ND (0.13)	ND (0.15)	ND (0.12)	0.055	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	ND	-	-	-	**1.03**	**6.9**	0.57	ND	**1.2**	ND	**1.3**	ND	**225**	**27.3**	**7.2**	**2.81**	-	ND	ND	ND	0.15	-	ND	ND	ND	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	75.8	-	-	-	88.9	89.7	96.8	79.4	88.6	85	84.7	85.6	90.7	92.1	90.2	84	68.8	78.3	64.9	80.4	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (4)	-	ND (3.9)	-	ND (4)	-	-	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	ND (19)	-	ND (20)	-	-	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	480	-	-	-	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	NI	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	6.8	7	6.9	-	-	-	-	-	-	-	-	8.2	-	8	-	6.5	-	-	-	-	6.6	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M11	M11	M11	M11	M11	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12A	M12A	M12A	M12A	M13	M13	M13	M13
Sample Name			M11_S8_15-17	M11_S9_17-19	M11_S10_19-21	M11_S11_21-23	M11_S12_23-25	M12_S2_4-5	M12_S6_4-11.3	M12_S3_7.3-9.3	M12_S4_9.3-11.3	M12_S5_11.3-13.3	M12_S7_13.3-15.3	M12_S8_15.3-17.3	M12_S9_17.3-19.3	M12_S10_19.3-21.3	M12_S11_21.3-23.3	M12_S12_23.3-25.3	M12A_S1_3.3-7.3	M12A_S2_3.3-5.3	M12A_S3_5.3-7.3	Z3_S1_5.3-7.3	M13_S2_2.5-4.5	M13_S4_2.5-6.5	M13_S3_4.5-6.5	M13_S5_8.5-10.5
Sample Date			06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/22/2010	06/22/2010	06/22/2010	06/22/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria							133618-43 133618-43RA1 133618-53 133618-63															134176-40		
								133618-1	133765-1		133618-3	133618-4							15A0792-01					134176-46		
Lab Sample ID			133615-20	133615-21	133615-22	133615-10	133615-11	133618-1RA1	133765-5	133618-2	133618-3RA1	133618-4RA1	133618-5	133618-6	133618-7	133618-8	133618-9	133618-10	15A0974-01	15A0792-02	15A0792-03	15A0788-01	134176-29	134176-52	134176-30	134176-31
Sample Depth (bgs)			15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4 - 5 (ft)	4 - 11.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	3.3 - 7.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	5.3 - 7.3 (ft)	2.5 - 4.5 (ft)	2.5 - 6.5 (ft)	4.5 - 6.5 (ft)	8.5 - 10.5 (ft)
Sample Elevation (ft BCB)			4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	15.3 to 14.3	15.3 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	14 to 12	17 to 15	17 to 13	15 to 13	11 to 9
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	ND (0.005)	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	ND (0.005)	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Acetone	6	NA	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.096)	-	-	-	-	ND (0.2)	-	-
Benzene	2	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	ND (0.005)	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	ND (0.005)	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.0096)	-	-	-	-	ND (0.01)	-	-
Naphthalene	4	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0096)	-	-	-	-	ND (0.005)	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Styrene	3	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Toluene	30	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	ND (0.005)	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	**ND (0.77)**	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.39)	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	**ND (0.77)**	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.39)	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	**ND (0.77)**	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.39)	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	**ND (0.77)**	-	-	-	-	-	-	-	-	-	**ND (0.81)**	-	-	-	-	ND (0.39)	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.39)	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.39)	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Aniline	NA	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Anthracene	1000	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	ND (0.39)	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	0.63	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	**2.5**	-	-	-	-	0.54	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	0.77	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	ND (0.39)	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	ND (0.39)	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	ND (0.39)	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Carbazole	NA	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-
Chrysene	70	NA	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	0.61	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	**ND (0.77)**	-	-	-	-	-	-	-	-	-	**ND (0.81)**	-	-	-	-	ND (0.39)	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (3.2)	-	-	-	-	ND (0.39)	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	1.4	-	-
Fluorene	1000	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.39)	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	ND (0.39)	-	-
Isophorone	100	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Naphthalene	4	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.39)	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.39)	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	1.3	-	-
Phenol	1	NA	-	-	-	-	-	-	ND (0.77)	-	-	-	-	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.39)	-	-
Pyrene	1000	NA	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	7.1	-	-	-	-	1.2	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	16.5	-	-	-	-	-	-	-	-	-	40.7	-	-	-	-	6.45	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M11	M11	M11	M11	M11	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12A	M12A	M12A	M12A	M13	M13	M13	M13
Sample Name			M11_S8_15-17	M11_S9_17-19	M11_S10_19-21	M11_S11_21-23	M11_S12_23-25	M12_S2_4-5	M12_S6_4-11.3	M12_S3_7.3-9.3	M12_S4_9.3-11.3	M12_S5_11.3-13.3	M12_S7_13.3-15.3	M12_S8_15.3-17.3	M12_S9_17.3-19.3	M12_S10_19.3-21.3	M12_S11_21.3-23.3	M12_S12_23.3-25.3	M12A_S1_3.3-7.3	M12A_S2_3.3-5.3	M12A_S3_5.3-7.3	Z3_S1_5.3-7.3	M13_S2_2.5-4.5	M13_S4_2.5-6.5	M13_S3_4.5-6.5	M13_S5_8.5-10.5
Sample Date			06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/22/2010	06/22/2010	06/22/2010	06/22/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133615-20	133615-21	133615-22	133615-10	133615-11	133618-1 133618-1RA1	133618-43 133618-43RA1 133618-53 133618-63 133765-1 133765-5	133618-2	133618-3 133618-3RA1	133618-4 133618-4RA1	133618-5	133618-6	133618-7	133618-8	133618-9	133618-10	15A0792-01 15A0974-01	15A0792-02	15A0792-03	15A0788-01	134176-29	134176-40 134176-46 134176-52	134176-30	134176-31
Sample Depth (bgs)			15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4 - 5 (ft)	4 - 11.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	3.3 - 7.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	5.3 - 7.3 (ft)	2.5 - 4.5 (ft)	2.5 - 6.5 (ft)	4.5 - 6.5 (ft)	8.5 - 10.5 (ft)
Sample Elevation (ft BCB)			4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	15.3 to 14.3	15.3 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	14 to 12	17 to 15	17 to 13	15 to 13	11 to 9
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2600	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	260	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (35)	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	**38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-
Arsenic	20	NA	-	-	-	-	-	-	ND (3.8)	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	ND (3.5)	-	-
Barium	1000	NA	-	-	-	-	-	-	310	-	-	-	-	-	-	-	-	-	250	-	-	-	-	46	-	-
Beryllium	90	NA	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-
Cadmium	70	NA	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-	1.1	-	-
Chromium	100	NA	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-	36	-	-	-	-	17	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	**6100**	-	-	-	-	-	-	-	-	-	**2000**	-	-	-	-	85	-	-
Mercury	20	NA	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	0.12	-	-
Nickel	600	NA	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-
Selenium	400	NA	-	-	-	-	-	-	ND (6.3)	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	ND (5.8)	-	-
Silver	100	NA	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	ND (1.2)	-	-
Thallium	8	NA	-	-	-	-	-	-	ND (6.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-
Vanadium	400	NA	-	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-
Zinc	1000	NA	-	-	-	-	-	-	**1300**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	62	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	**ND (4.6)**	**ND (2.3)**	**ND (120)**	-	**ND (9.6)**	ND (0.048)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	**ND (4.6)**	**ND (2.3)**	**ND (120)**	-	**ND (9.6)**	ND (0.048)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	**ND (4.6)**	**ND (2.3)**	**ND (120)**	-	**ND (9.6)**	ND (0.048)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	**ND (4.6)**	**ND (2.3)**	**ND (120)**	-	**ND (9.6)**	ND (0.048)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (10)**	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	0.42	**24**	**14**	**460**	-	**ND (9.6)**	ND (0.048)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**170**	**6.5**	0.48	**1.7**	**2.2**	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	0.26	**31**	**17**	**ND (120)**	-	**76**	0.36
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**120**	**5.9**	0.42	**1.8**	**1.5**	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	0.13	**16**	**8.9**	**260**	-	**68**	0.28
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (120)	-	ND (9.6)	ND (0.048)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (120)	-	ND (9.6)	ND (0.048)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	**290**	**12.4**	0.9	**3.5**	**3.7**	ND	ND	ND	ND	ND	ND	-	0.81	**71**	**39.9**	**720**	-	**144**	0.64
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84.4	89.6	85.9	86.2	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	6.9	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	8.3	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M13	M13	M13	M13	M13	M13	M14	M14	M14	M14	M14	M14	M14	M14	M14	M14	M14A	M14A	M14A	M14A	M14A	M15	M15
Sample Name			M13_S6_10.5-12.5	M13_S7_12.5-14.5	M13_S8_14.5-16.5	M13_S9_16.5-18.5	M13_S10_18.5-20.5	M13_S11_20.5-22.5	M14_S5_2.5-6.3	M14_S3_4.0-6.0	M14_S4_6.0-6.3	M14_S6_9.0-11.0	M14_S7_11.0-13.0	M14_S8_13.0-15.0	M14_S9_15.0-17.0	M14_S10_17.0-19.0	M14_S11_19.0-21.0	M14_S12_21.0-23.0	M14A_S1_2-7.5	M14A_S2_5.5-7.5	Z1_S1_5.5-7.5	M14A_S3_7.5-9.5	Z1_S2_7.5-9.5	M15_S2_5-5.5	M15_S5_5-9.5
Sample Date			06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	07/12/2010	07/12/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134176-32	134176-33	134176-34	134176-24	134176-25	134176-26	133689-5 133689-50 133689-59 133883-1	133689-3 133689-3RA1	133689-4 133689-4RA1	133689-6	133689-7	133689-8	133689-9	133689-10	133689-11	133689-12	15A0796-01 15A0796-01RE1	15A0796-02	15A0789-01	15A0796-03	15A0789-02	134654-2	134654-32 134654-37 134654-5 134865-1 134865-4
Sample Depth (bgs)			10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	2.5 - 6.3 (ft)	4 - 6 (ft)	6 - 6.3 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	2 - 7.5 (ft)	5.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	5 - 5.5 (ft)	5 - 9.5 (ft)
Sample Elevation (ft BCB)			9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	17.1 to 13.3	15.6 to 13.6	13.6 to 13.3	10.6 to 8.6	8.6 to 6.6	6.6 to 4.6	4.6 to 2.6	2.6 to 0.6	0.6 to -1.4	-1.4 to -3.4	17.5 to 12	14 to 12	14 to 12	12 to 10	12 to 10	14.5 to 14	14.5 to 10
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	0.022	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	0.018	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	0.014	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Acetone	6	NA	-	-	-	-	-	-	ND (0.25)	-	-	-	-	-	-	-	-	-	ND (0.081)	-	-	-	-	-	ND (0.2)
Benzene	2	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Chlorobenzene	1	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	0.006	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Ethylbenzene	40	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Isopropylbenzene	1000	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	0.0016	-	-	-	-	-	ND (0.005)
m,p-Xylenes	NA	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	ND (0.005)
Methylene chloride	0.1	NA	-	-	-	-	-	-	ND (0.063)	-	-	-	-	-	-	-	-	-	ND (0.0081)	-	-	-	-	-	ND (0.05)
Naphthalene	4	NA	-	-	-	-	-	-	0.016	-	-	-	-	-	-	-	-	-	ND (0.0081)	-	-	-	-	-	ND (0.005)
n-Propylbenzene	100	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
o-Xylene	NA	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Styrene	3	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Tetrachloroethene	1	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Toluene	30	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
Trichloroethene	0.3	NA	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	0.076	-	-	-	-	-	-	-	-	-	0.0016	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	ND (0.36)
2-Methylphenol	500	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Acenaphthene	4	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.24	-	-	-	-	-	ND (0.36)
Acenaphthylene	1	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (0.36)
Acetophenone	NA	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Aniline	NA	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Anthracene	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	ND (0.36)
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	0.65
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.88	-	-	-	-	-	0.63
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	0.94
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	ND (0.36)
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.43	-	-	-	-	-	ND (0.36)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	0.39
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Carbazole	NA	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Chrysene	70	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.64
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (0.36)
Dibenzofuran	100	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.45	-	-	-	-	-	ND (0.36)
Diethyl phthalate	10	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	0.69
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-	ND (0.36)
Fluoranthene	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	1.2
Fluorene	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.32	-	-	-	-	-	ND (0.36)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-	ND (0.36)
Isophorone	100	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Naphthalene	4	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	ND (0.36)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Pentachlorophenol	3	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.73)
Phenanthrene	10	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	0.67
Phenol	1	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.36)
Pyrene	1000	NA	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	1.1
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	18.48	-	-	-	-	-	6.91

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M13	M13	M13	M13	M13	M13	M14	M14	M14	M14	M14	M14	M14	M14	M14	M14A	M14A	M14A	M14A	M14A	M15	M15
Sample Name			M13_S6_10.5-12.5	M13_S7_12.5-14.5	M13_S8_14.5-16.5	M13_S9_16.5-18.5	M13_S10_18.5-20.5	M13_S11_20.5-22.5	M14_S5_2.5-6.3	M14_S3_4.0-6.0	M14_S4_6.0-6.3	M14_S6_9.0-11.0	M14_S7_11.0-13.0	M14_S8_13.0-15.0	M14_S9_15.0-17.0	M14_S10_17.0-19.0	M14_S11_19.0-21.0	M14_S12_21.0-23.0	M14A_S1_2-7.5	M14A_S2_5.5-7.5	Z1_S1_5.5-7.5	M14A_S3_7.5-9.5	Z1_S2_7.5-9.5	M15_S2_5-5.5	M15_S5_5-9.5
Sample Date			06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	07/12/2010	07/12/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134176-32	134176-33	134176-34	134176-24	134176-25	134176-26	133689-5 133689-50 133689-59 133883-1	133689-3 133689-3RA1	133689-4 133689-4RA1	133689-6	133689-7	133689-8	133689-9	133689-10	133689-11	133689-12	15A0796-01 15A0796-01RE1	15A0796-02	15A0789-01	15A0796-03	15A0789-02	134654-2	134654-32 134654-37 134654-5 134865-1 134865-4
Sample Depth (bgs)			10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	2.5 - 6.3 (ft)	4 - 6 (ft)	6 - 6.3 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	2 - 7.5 (ft)	5.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	5 - 5.5 (ft)	5 - 9.5 (ft)
Sample Elevation (ft BCB)			9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	17.1 to 13.3	15.6 to 13.6	13.6 to 13.3	10.6 to 8.6	8.6 to 6.6	6.6 to 4.6	4.6 to 2.6	2.6 to 0.6	0.6 to -1.4	-1.4 to -3.4	17.5 to 12	14 to 12	14 to 12	12 to 10	12 to 10	14.5 to 14	14.5 to 10
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Arsenic	20	NA	-	-	-	-	-	-	ND (3.8)	-	-	-	-	-	-	-	-	-	ND (2.7)	-	-	-	-	-	ND (3.4)
Barium	1000	NA	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-	69	-	-	-	-	-	93
Beryllium	90	NA	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Cadmium	70	NA	-	-	-	-	-	-	ND (0.64)	-	-	-	-	-	-	-	-	-	0.73	-	-	-	-	-	5
Chromium	100	NA	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	**160**
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	200	NA	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-	83	-	-	-	-	-	**1700**
Mercury	20	NA	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	0.19	-	-	-	-	-	0.37
Nickel	600	NA	-	-	-	-	-	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
Selenium	400	NA	-	-	-	-	-	-	ND (6.4)	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	-	-	ND (5.7)
Silver	100	NA	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (0.54)	-	-	-	-	-	ND (1.1)
Thallium	8	NA	-	-	-	-	-	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)
Vanadium	400	NA	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290
Zinc	1000	NA	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	440
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.1)
Lead	NA	5	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	**ND (2.6)**	**ND (4.8)**	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	**ND (2.5)**	**ND (4.5)**	**ND (4.2)**	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	**ND (2.6)**	**ND (4.8)**	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	**ND (2.5)**	**ND (4.5)**	**ND (4.2)**	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	**ND (2.6)**	**ND (4.8)**	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	**ND (2.5)**	**ND (4.5)**	**ND (4.2)**	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	**ND (2.6)**	**ND (4.8)**	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	**ND (2.5)**	**ND (4.5)**	**ND (4.2)**	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	**ND (2.6)**	**ND (4.8)**	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	**ND (2.5)**	**ND (4.5)**	**ND (4.2)**	-
Aroclor-1254 (PCB-1254)	1	NA	0.074	0.11	ND (0.051)	ND (0.053)	0.059	ND (0.052)	**ND (2.6)**	**ND (4.8)**	**ND (4.4)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.15	ND (0.04)	-	0.25	0.22	**4.6**	**ND (4.5)**	**43**	-
Aroclor-1260 (PCB-1260)	1	NA	0.084	0.13	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	**26**	**110**	**350**	0.46	0.4	0.083	0.19	ND (0.04)	0.26	0.17	-	0.14	ND (0.11)	**13**	**29**	**34**	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (4.2)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (4.2)	-
SUM of PCBs	1	NA	0.158	0.24	ND	ND	0.059	ND	**26**	**110**	**350**	0.46	0.4	0.083	0.19	ND	0.41	0.17	-	0.39	0.22	**17.6**	**29**	**77**	-
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.9	87.7	88	79.7	85.4	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	-	-	-	-	-	430
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	7.1
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M15	M15	M15	M15	M15	M15	M15	M15	M15	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16
Sample Name			M15_S3_5.5-7.5	M15_S4_7.5-9.5	M15_S6_9.5-11.5	M15_S7_11.5-13.5	M15_S8_13.5-15.5	M15_S9_15.5-17.5	M15_S10_17.5-19.5	M15_S11_19.5-21.5	M15_S12_21.5-23.5	M16_S2_2.0-3.6	M16_S3_3.6-5.6	M16_S4_5.6-7.6	M16_S6_2.0-8.9	M16_S5_7.6-9.6	M16_S7_9.6-11.6	M16_S8_11.6-13.6	M16_S9_13.6-15.6	M16_S10_15.6-17.6	M16_S11_17.6-19.6	M16_S12_19.6-21.6	M16_S13_21.6-23.6	M16_S14_23.6-25.6
Sample Date			07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/07/2010	07/07/2010	07/07/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134654-3	134654-4	134654-6	134654-7	134654-8	134654-9	134654-10	134654-11	134654-12	134565-12	134565-13	134565-14	134611-15 134611-50 134611-57 134787-3	134611-14	134611-16	134611-17	134611-18	134611-19	134611-20	134611-21	134611-22	134611-23
Sample Depth (bgs)			5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	2 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	2 - 8.9 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17.6 to 16	16 to 14	14 to 12	17.6 to 10.7	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.86	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.37	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	20.55	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M15	M15	M15	M15	M15	M15	M15	M15	M15	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16
Sample Name			M15_S3_5.5-7.5	M15_S4_7.5-9.5	M15_S6_9.5-11.5	M15_S7_11.5-13.5	M15_S8_13.5-15.5	M15_S9_15.5-17.5	M15_S10_17.5-19.5	M15_S11_19.5-21.5	M15_S12_21.5-23.5	M16_S2_2.0-3.6	M16_S3_3.6-5.6	M16_S4_5.6-7.6	M16_S6_2.0-8.9	M16_S5_7.6-9.6	M16_S7_9.6-11.6	M16_S8_11.6-13.6	M16_S9_13.6-15.6	M16_S10_15.6-17.6	M16_S11_17.6-19.6	M16_S12_19.6-21.6	M16_S13_21.6-23.6	M16_S14_23.6-25.6
Sample Date			07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/07/2010	07/07/2010	07/07/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134654-3	134654-4	134654-6	134654-7	134654-8	134654-9	134654-10	134654-11	134654-12	134565-12	134565-13	134565-14	134611-15 134611-50 134611-57 134787-3	134611-14	134611-16	134611-17	134611-18	134611-19	134611-20	134611-21	134611-22	134611-23
Sample Depth (bgs)			5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	2 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	2 - 8.9 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17.6 to 16	16 to 14	14 to 12	17.6 to 10.7	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	390	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	410	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	**900**	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	0.29	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	210	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	**ND (4.6)**	**ND (4.5)**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**ND (85)**	**ND (49)**	**ND (1.3)**	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1221 (PCB-1221)	1	NA	**ND (4.6)**	**ND (4.5)**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**ND (85)**	**ND (49)**	**ND (1.3)**	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1232 (PCB-1232)	1	NA	**ND (4.6)**	**ND (4.5)**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**ND (85)**	**ND (49)**	**ND (1.3)**	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1242 (PCB-1242)	1	NA	**ND (4.6)**	**ND (4.5)**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**ND (85)**	**ND (49)**	**ND (1.3)**	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1248 (PCB-1248)	1	NA	**ND (4.6)**	**ND (4.5)**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**ND (85)**	**ND (49)**	**ND (1.3)**	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1254 (PCB-1254)	1	NA	**44**	**10**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**360**	**220**	**10**	-	0.33	0.093	0.2	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	0.063	ND (0.076)
Aroclor-1260 (PCB-1260)	1	NA	**34**	**9.2**	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	**310**	**160**	**6.7**	-	0.23	0.065	0.11	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1262 (PCB-1262)	NA	NA	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	ND (85)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
Aroclor-1268 (PCB-1268)	NA	NA	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.047)	ND (85)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)
SUM of PCBs	1	NA	**78**	**19.2**	ND	ND	ND	ND	ND	ND	ND	**670**	**380**	**16.7**	-	0.56	0.158	0.31	ND	ND	ND	ND	0.063	ND
Other																								
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M17	M17	M17	M17	M17	M17	M17	M17	M17	M17	M17	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18A
Sample Name			M17_S2_3.4-5.4	M17_S5_3.4-9.4	M17_S3_5.4-7.4	M17_S4_7.4-9.4	M17_S6_9.4-11.4	M17_S7_11.4-13.4	M17_S8_13.4-15.4	M17_S9_15.4-17.4	M17_S10_17.4-19.4	M17_S11_19.4-21.4	M17_S12_21.4-23.4	M18_S6_3.3-9.3	M18_S2_5.3-7.3	M18_S3_7.3-9.3	M18_S4_9.3-11.3	M18_S5_11.3-13.3	M18_S7_13.3-15.3	M18_S8_15.3-17.3	M18_S9_17.3-19.3	M18_S10_19.3-21.3	M18_S11_21.3-22.8	M18_S12_22.8-23.3	M18A_S1_3.2-5.2
Sample Date			07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	01/22/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134943-1	134943-27 134943-30 134943-35 135123-2 135123-4	134943-2	134943-3	134943-4	134943-5	134943-6	134943-7	134943-8	134943-9	134943-10	134117-49 134117-53 134117-62 134331-4	134117-1	134117-2	134117-3	134117-4	134117-5	134117-6	134117-7	134117-8	134117-9	134117-10	15A0734-01
Sample Depth (bgs)			3.4 - 5.4 (ft)	3.4 - 9.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.4 (ft)	3.3 - 9.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 22.8 (ft)	22.8 - 23.3 (ft)	3.2 - 5.2 (ft)
Sample Elevation (ft BCB)			16 to 14	16 to 10	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15.9 to 9.9	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -3.6	-3.6 to -4.1	16 to 14
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	0.016	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	0.016	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.25)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.063)	-	-	-	-	-	-	-	-	-	ND (0.053)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	0.032	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	0.64	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	0.65	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	1.2	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	1.9	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	1.4	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	2	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	0.62	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	0.68	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	0.58	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	1.9	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	0.47	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	4.6	-	-	-	-	-	-	-	-	-	0.71	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	0.63	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	0.8	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.79)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	4.7	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	4.1	-	-	-	-	-	-	-	-	-	0.62	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	26.87	-	-	-	-	-	-	-	-	-	1.89	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M17	M17	M17	M17	M17	M17	M17	M17	M17	M17	M17	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18A
Sample Name			M17_S2_3.4-5.4	M17_S5_3.4-9.4	M17_S3_5.4-7.4	M17_S4_7.4-9.4	M17_S6_9.4-11.4	M17_S7_11.4-13.4	M17_S8_13.4-15.4	M17_S9_15.4-17.4	M17_S10_17.4-19.4	M17_S11_19.4-21.4	M17_S12_21.4-23.4	M18_S6_3.3-9.3	M18_S2_5.3-7.3	M18_S3_7.3-9.3	M18_S4_9.3-11.3	M18_S5_11.3-13.3	M18_S7_13.3-15.3	M18_S8_15.3-17.3	M18_S9_17.3-19.3	M18_S10_19.3-21.3	M18_S11_21.3-22.8	M18_S12_22.8-23.3	M18A_S1_3.2-5.2
Sample Date			07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	01/22/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134943-1	134943-27 134943-30 134943-35 135123-2 135123-4	134943-2	134943-3	134943-4	134943-5	134943-6	134943-7	134943-8	134943-9	134943-10	134117-49 134117-53 134117-62 134331-4	134117-1	134117-2	134117-3	134117-4	134117-5	134117-6	134117-7	134117-8	134117-9	134117-10	15A0734-01
Sample Depth (bgs)			3.4 - 5.4 (ft)	3.4 - 9.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.4 (ft)	3.3 - 9.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 22.8 (ft)	22.8 - 23.3 (ft)	3.2 - 5.2 (ft)
Sample Elevation (ft BCB)			16 to 14	16 to 10	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15.9 to 9.9	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -3.6	-3.6 to -4.1	16 to 14
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	250	-	-	-	-	-	-	-	-	-	82	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	290	-	-	-	-	-	-	-	-	-	88	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	260	-	-	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	64	-	-	-	-	-	-	-	-	-	ND (34)	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	**32**	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	5.1	-	-	-	-	-	-	-	-	-	ND (3.7)	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	390	-	-	-	-	-	-	-	-	-	83	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	9.6	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	65	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	**6100**	-	-	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	2.5	-	-	-	-	-	-	-	-	-	0.38	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	160	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (5.9)	-	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	**16**	-	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	140	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	**1000**	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	7.2	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	**ND (47)**	-	ND (0.28)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	**ND (47)**	-	ND (0.28)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	**ND (47)**	-	ND (0.28)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	**ND (47)**	-	ND (0.28)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	**ND (47)**	-	ND (0.28)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1254 (PCB-1254)	1	NA	**290**	-	**1.4**	0.13	0.17	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	**280**	-	**1.2**	0.12	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1262 (PCB-1262)	NA	NA	ND (47)	-	ND (0.28)	ND (0.049)	0.16	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (47)	-	ND (0.28)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.048)	ND (0.065)	ND (0.11)
SUM of PCBs	1	NA	**570**	-	**2.6**	0.25	0.33	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.3
Ignitability (Deg F)	NA	NA	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7.2	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	2.2	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	2.4	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	2.4	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	3.8	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M19	M19	M19	M19	N5	N5	N5	N5	N6	N6	N6	N7	N7	N7	N7	N8	N8	N8	N8	N9	N9	N9	N9	N9	N9	N9
Sample Name			M19_S1_2.2-3.2	M19_S2_3.2-5.2	M19_S3_5.2-7.2	M19_S4_7.2-9.2	N5_S1_0.7-1.7	N5_S2_1.7-3.7	N5_S3_3.7-5.7	N5_S4_5.7-7.7	N6_S1_0.9-1.9'	N6_S2_1.9-3.9'	N6_S3_3.9-5.9'	N7_S1_1.1-2.1	N7_S2_2.1-4.1	N7_S3_4.1-6.1	N7_S4_6.1-8.1	N8_S1_0.4-4.4	N8_S2_4.4-6.4	N8_S5_4.4-6.4	N9_S1_1-4.9	N9_S2_5.4-6.4	N9_S3_5.4-10	N9_S4_6.4-8.4	N9_S5_8.4-10.4	N9_S6_10.4-12.4	N9_S7_12.4-14.4
Sample Date			11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/03/2015	02/03/2015	02/03/2015	12/29/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K1002-12	15K1002-13	15K1002-14	15K1002-15	15K1157-13	15K1157-14	15K1157-15	15K1157-16	15K0756-18	15K0756-19	15K0756-20	15K0756-21	15K1070-03	15K1070-04	15K1070-05	15B0051-01	15B0051-04	15B0051-02	15B0051-05	138861-37 138861-51 138861-56	138884-17 139115-4	138884-43 138884-54 138884-65 139115-11	138884-18	138884-19	138884-20	138884-21
Sample Depth (bgs)			2.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.4 - 4.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	1 - 4.9 (ft)	5.4 - 6.4 (ft)	5.4 - 10 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)
Sample Elevation (ft BCB)			17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	17.9 to 13.9	15.9 to 13.9	13.9 to 11.9	17.4 to 13.5	13 to 12	13 to 8.4	12 to 10	10 to 8	8 to 6	6 to 4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.062	-	ND (0.061)	-	ND (0.2)	-	ND (0.24)	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0057)	-	ND (0.0061)	-	ND (0.05)	-	ND (0.06)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0057)	-	ND (0.0061)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.062	-	ND	-	ND	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	-	0.2	-	ND (0.36)	-	0.45	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	0.57	-	0.53	-	1	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83	-	0.52	-	0.46	-	0.99	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	0.62	-	0.58	-	1.3	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-	0.31	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	0.24	-	ND (0.36)	-	0.44	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94	-	0.62	-	0.53	-	1.1	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	-	ND (0.74)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	1.1	-	1.1	-	2	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-	0.31	-	ND (0.36)	-	0.39	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (1.4)	-	ND (1.5)	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	0.97	-	0.88	-	1.6	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	1.2	-	1.1	-	1.8	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.44	-	6.66	-	5.18	-	11.07	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			M19	M19	M19	M19	N5	N5	N5	N5	N6	N6	N6	N7	N7	N7	N7	N8	N8	N8	N8	N9	N9	N9	N9	N9	N9	N9
Sample Name			M19_S1_2.2-3.2	M19_S2_3.2-5.2	M19_S3_5.2-7.2	M19_S4_7.2-9.2	N5_S1_0.7-1.7	N5_S2_1.7-3.7	N5_S3_3.7-5.7	N5_S4_5.7-7.7	N6_S1_0.9-1.9'	N6_S2_1.9-3.9'	N6_S3_3.9-5.9'	N7_S1_1.1-2.1	N7_S2_2.1-4.1	N7_S3_4.1-6.1	N7_S4_6.1-8.1	N8_S1_0.4-4.4	N8_S2_4.4-6.4	N8_S5_4.4-6.4	N9_S1_1-4.9	N9_S2_5.4-6.4	N9_S3_5.4-10	N9_S4_6.4-8.4	N9_S5_8.4-10.4	N9_S6_10.4-12.4	N9_S7_12.4-14.4
Sample Date			11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/03/2015	02/03/2015	02/03/2015	12/29/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K1002-12	15K1002-13	15K1002-14	15K1002-15	15K1157-13	15K1157-14	15K1157-15	15K1157-16	15K0756-18	15K0756-19	15K0756-20	15K0756-21	15K1070-03	15K1070-04	15K1070-05	15K1070-06	15B0051-01	15B0051-04	15B0051-02	15B0051-05	138861-37 138861-51 138861-56	138884-17 139115-4	138884-43 138884-54 138884-65 139115-11	138884-18	138884-19	138884-20	138884-21
Sample Depth (bgs)			2.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.4 - 4.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	1 - 4.9 (ft)	5.4 - 6.4 (ft)	5.4 - 10 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)
Sample Elevation (ft BCB)			17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.9 to 13.9	15.9 to 13.9	13.9 to 11.9	17.4 to 13.5	13 to 12	13 to 8.4	12 to 10	10 to 8	8 to 6	6 to 4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	-	510	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	95	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	120	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	49	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (21)	-	ND (24)	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	6	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-	7.4	-	ND (3.4)	-	4.7	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	51	-	58	-	50	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.36)	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	0.69	-	0.92	-	1.6	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	13	-	22	-	52	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	150	-	73	-	170	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	-	0.86	-	0.35	-	0.98	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	16	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (5.7)	-	ND (5.7)	-	ND (6)	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	ND (0.57)	-	ND (1.1)	-	ND (1.2)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	27	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	160	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1248 (PCB-1248)	1	NA	0.16	0.2	ND (0.12)	ND (0.12)	0.21	0.29	ND (0.11)	ND (0.11)	ND (0.11)	0.72	0.22	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	0.69	-	ND (0.11)	0.11	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1254 (PCB-1254)	1	NA	0.25	0.19	ND (0.12)	ND (0.12)	0.3	0.32	ND (0.11)	ND (0.11)	0.13	0.32	0.19	ND (0.12)	ND (0.11)	0.21	0.13	ND (0.11)	-	**1.1**	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1260 (PCB-1260)	1	NA	0.14	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.13	0.26	0.43	ND (0.12)	ND (0.11)	ND (0.11)	0.21	ND (0.11)	-	**2.8**	-	0.16	0.054	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)
SUM of PCBs	1	NA	0.55	0.39	ND	ND	0.51	0.61	ND	ND	0.26	**1.3**	0.84	ND	ND	0.21	0.34	ND	-	**4.59**	-	0.16	0.164	ND	-	ND	ND	ND	ND
Other																												
Percent Solids, vol. (%wt)	NA	NA	89.2	86.4	85.8	83.5	89.1	88.4	88.8	88.1	88.6	85.3	84.5	81.9	85.9	87.7	79.9	87.7	88.1	87.1	89.9	91.3	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (4)	-	ND (50)	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	ND (20)	-	ND (100)	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-	85	-	-	-	540	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	7.8	-	8.3	-	7.1	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N9	N9	N9	N9	N9	N9	N10	N10	N10	N10	N11	N11	N11	N11	N11	N11	N11	N11	N11	N11	N11	N12	N12
Sample Name			N9_S8_14.4-16.4	N9_S9_16.4-18.4	N9_S10_18.4-20.4	N9_S11_20.4-22.4	N9_S12_22.4-24.4	N9_S13_24.4-26.4	N10_S4_2.5-4.5	N10_S5_4.5-6.5	N10_S2_5-6.5	N10_S6_6.5-8.5	N11_S2_4.5-11	N11_S5_5-7	N11_S6_7-9	N11_S7_9-11	N11_S8_11-13	N11_S9_13-15	N11_S10_15-17	N11_S11_17-19	N11_S12_19-21	N11_S13_21-23	N11_S14_23-25	N12_S2_4.9-6.9	N12_S4_4.9-10.9
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/04/2010	06/04/2010
Lab Sample ID			138884-22	138884-23	138884-24	138884-25	138884-26	138884-27	15A0793-04	15A0793-05	15A0793-02 15A0975-01	15A0793-06	133615-35 133615-42 133615-49	133615-2	133615-3	133615-4	133615-5	133615-6	133615-7	133615-8	133615-9	133615-12	133615-13	133689-33	133689-35 133689-55 133689-64 133883-4
Sample Depth (bgs)			14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	5 - 6.5 (ft)	6.5 - 8.5 (ft)	4.5 - 11 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4.9 - 6.9 (ft)	4.9 - 10.9 (ft)
Sample Elevation (ft BCB)			4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	16.1 to 14.1	14.1 to 12.1	13.6 to 12.1	12.1 to 10.1	14.3 to 7.8	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8	7.8 to 5.8	5.8 to 3.8	3.8 to 1.8	1.8 to -0.2	-0.2 to -2.2	-2.2 to -4.2	-4.2 to -6.2	14 to 12	14 to 8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.003)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.003)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.075)	-	ND (4.8)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.003)	-	**ND (0.48)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	0.9	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.003)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.003)	-	**ND (0.48)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.0075)	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.092)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.0075)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.48)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.0015)	-	**ND (0.48)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	-	0.9	-	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	0.24	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Anthracene	1000	NA	-	-	-	-	-	-	-	-	0.43	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	1.4	-	0.46	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	1	-	0.45	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	1.5	-	0.69	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	0.39	-	0.39	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	0.65	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	0.39	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Chrysene	70	NA	-	-	-	-	-	-	-	-	1.2	-	0.48	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.74)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	0.43	-	0.4	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (11)
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	1.7	-	0.66	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	**ND (11)**
Pyrene	1000	NA	-	-	-	-	-	-	-	-	2.5	-	0.97	-	-	-	-	-	-	-	-	-	-	-	ND (11)
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	14.44	-	5.89	-	-	-	-	-	-	-	-	-	-	-	ND

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N9	N9	N9	N9	N9	N9	N10	N10	N10	N10	N11	N11	N11	N11	N11	N11	N11	N11	N11	N11	N12	N12
Sample Name			N9_S8_14.4-16.4	N9_S9_16.4-18.4	N9_S10_18.4-20.4	N9_S11_20.4-22.4	N9_S12_22.4-24.4	N9_S13_24.4-26.4	N10_S4_2.5-4.5	N10_S5_4.5-6.5	N10_S5_6-5.6	N10_S6_6.5-8.5	N11_S2_4.5-11	N11_S5_5-7	N11_S6_7-9	N11_S7_9-11	N11_S8_11-13	N11_S9_13-15	N11_S10_15-17	N11_S11_17-19	N11_S12_19-21	N11_S13_21-23	N11_S14_23-25	N12_S2_4.9-6.9	N12_S4_4.9-10.9
Sample Date			12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/04/2010	06/04/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																						
Lab Sample ID			138884-22	138884-23	138884-24	138884-25	138884-26	138884-27	15A0793-04	15A0793-05	15A0793-02 15A0975-01	15A0793-06	133615-35 133615-42 133615-49	133615-2	133615-3	133615-4	133615-5	133615-6	133615-7	133615-8	133615-9	133615-12	133615-13	133689-33	133689-35 133689-55 133689-64 133883-4
Sample Depth (bgs)			14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	5 - 6.5 (ft)	6.5 - 8.5 (ft)	4.5 - 11 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4.9 - 6.9 (ft)	4.9 - 10.9 (ft)
Sample Elevation (ft BCB)			4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	16.1 to 14.1	14.1 to 12.1	13.6 to 12.1	12.1 to 10.1	14.3 to 7.8	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8	7.8 to 5.8	5.8 to 3.8	3.8 to 1.8	1.8 to -0.2	-0.2 to -2.2	-2.2 to -4.2	-4.2 to -6.2	14 to 12	14 to 8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	**1200**
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-	-	1200
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	-	-	-	2700
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	-	-	-	-	-	-	-	**2300**
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	12
Arsenic	20	NA	-	-	-	-	-	-	-	-	3.4	-	ND (3.4)	-	-	-	-	-	-	-	-	-	-	ND (3.8)
Barium	1000	NA	-	-	-	-	-	-	-	-	34	-	34	-	-	-	-	-	-	-	-	-	-	160
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.38)
Cadmium	70	NA	-	-	-	-	-	-	-	-	0.9	-	1.7	-	-	-	-	-	-	-	-	-	-	1.9
Chromium	100	NA	-	-	-	-	-	-	-	-	16	-	9.9	-	-	-	-	-	-	-	-	-	-	5.9
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	130	-	70	-	-	-	-	-	-	-	-	-	-	**1300**
Mercury	20	NA	-	-	-	-	-	-	-	-	0.12	-	0.095	-	-	-	-	-	-	-	-	-	-	14
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	9.8
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (5.1)	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	ND (6.3)
Silver	100	NA	-	-	-	-	-	-	-	-	ND (0.51)	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (1.3)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	ND (6.3)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	11
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	190	-	-	-	-	-	-	-	-	-	-	64
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	15
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	**ND (59)**	-	**ND (1.2)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.8)**	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	**ND (59)**	-	**ND (1.2)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.8)**	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	**ND (59)**	-	**ND (1.2)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.8)**	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	**ND (59)**	-	**ND (1.2)**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.8)**	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	**2**	**400**	-	**5.6**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**ND (4.8)**	-
Aroclor-1254 (PCB-1254)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	**640**	-	**9.2**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**14**	-
Aroclor-1260 (PCB-1260)	1	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	**73**	-	**1.3**	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**15**	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	ND (59)	-	ND (1.2)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	ND (0.57)	ND (59)	-	ND (1.2)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	**2**	**1113**	-	**16.1**	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**29**	-
Other																								
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	84.9	84	90.4	80.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (4)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (20)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	8.2	-	6.5	-	-	-	-	-	-	-	-	-	-	-	7.6
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	2.6
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	3.1
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-	-	-	-	-	-	-	-	10
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	43
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	54

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N12	N12	N12	N12	N12	N12	N12	N12	N12	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N14	N14	N14	N14	N14
Sample Name			N12_S3_6.9-8.9	N12_S5_8.9-10.9	N12_S6_10.9-12.9	N12_S7_12.9-14.9	N12_S8_14.9-16.9	N12_S9_16.9-18.9	N12_S10_18.9-20.9	N12_S11_20.9-22.9	N12_S12_22.9-24.9	N13_S4_2.7-8.0	N13_S2_4-6	N13_S3_6-8	N13_S5_8-10	N13_S6_10-12	N13_S7_12-14	N13_S8_14-16	N13_S9_16-18	N13_S10_18-20	N13_S11_20-22	N13_S12_22-24	N14_S4_2.5-9	N14_S2_5-7	N14_S3_7-9	N14_S5_9-11	N14_S6_11-13
Sample Date			06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133689-34	133689-36	133689-37	133689-38	133689-39	133689-40	133689-41	133689-42	133689-43	134176-39 134176-44 134176-50 134365-1 134365-2	134176-14	134176-15	134176-16 134176-16RA1	134176-17	134176-18	134176-19	134176-20	134176-21	134176-22	134176-23	134176-38 134176-42 134176-48	134176-10	134176-11	134176-12 134176-12RA1	134176-13
Sample Depth (bgs)			6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	10.9 - 12.9 (ft)	12.9 - 14.9 (ft)	14.9 - 16.9 (ft)	16.9 - 18.9 (ft)	18.9 - 20.9 (ft)	20.9 - 22.9 (ft)	22.9 - 24.9 (ft)	2.7 - 8 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.5 - 9 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.3 to 11	15 to 13	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	16.5 to 10	14 to 12	12 to 10	10 to 8	8 to 6
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	**ND (0.92)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	**ND (9.2)**	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	**ND (0.92)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	**ND (0.92)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	**ND (3.7)**	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	ND (0.92)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	**ND (0.92)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	9.8	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	**2.5**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	-	-	-	-	-	-	0.41	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	5.1	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	29.9	-	-	-	-	-	-	-	-	-	-	0.85	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N12	N12	N12	N12	N12	N12	N12	N12	N12	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N14	N14	N14	N14	N14
Sample Name			N12_S3_6.9-8.9	N12_S5_8.9-10.9	N12_S6_10.9-12.9	N12_S7_12.9-14.9	N12_S8_14.9-16.9	N12_S9_16.9-18.9	N12_S10_18.9-20.9	N12_S11_20.9-22.9	N12_S12_22.9-24.9	N13_S4_2.7-8.0	N13_S2_4-6	N13_S3_6-8	N13_S5_8-10	N13_S6_10-12	N13_S7_12-14	N13_S8_14-16	N13_S9_16-18	N13_S10_18-20	N13_S11_20-22	N13_S12_22-24	N14_S4_2.5-9	N14_S2_5-7	N14_S3_7-9	N14_S5_9-11	N14_S6_11-13
Sample Date			06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133689-34	133689-36	133689-37	133689-38	133689-39	133689-40	133689-41	133689-42	133689-43	134176-39 134176-44 134176-50 134365-1 134365-2	134176-14	134176-15	134176-16 134176-16RA1	134176-17	134176-18	134176-19	134176-20	134176-21	134176-22	134176-23	134176-38 134176-42 134176-48	134176-10	134176-11	134176-12 134176-12RA1	134176-13
Sample Depth (bgs)			6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	10.9 - 12.9 (ft)	12.9 - 14.9 (ft)	14.9 - 16.9 (ft)	16.9 - 18.9 (ft)	18.9 - 20.9 (ft)	20.9 - 22.9 (ft)	22.9 - 24.9 (ft)	2.7 - 8 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.5 - 9 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.3 to 11	15 to 13	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	16.5 to 10	14 to 12	12 to 10	10 to 8	8 to 6
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	690	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	720	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	930	-	-	-	-	-	-	-	-	-	-	76	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	290	-	-	-	-	-	-	-	-	-	-	ND (32)	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	**87**	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	ND (3.5)	-	-	-	-	-	-	-	-	-	-	ND (3.2)	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	430	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	ND (0.53)	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	**16000**	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	0.064	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	88	-	-	-	-	-	-	-	-	-	-	ND (5.3)	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	ND (5.3)	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-	-	-	ND (5.3)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	**1500**	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	**ND (4.7)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (51)**	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	**ND (4.7)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (51)**	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	**ND (4.7)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (51)**	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	**ND (4.7)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (51)**	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	**ND (4.7)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**ND (51)**	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	**18**	0.36	0.073	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.046	ND (0.04)	-	**470**	**11**	**2.5**	0.35	0.12	ND (0.055)	ND (0.049)	ND (0.05)	0.14	0.057	-	0.078	0.34	**2.9**	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	**14**	0.3	0.061	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**260**	**5.5**	**1.1**	0.19	0.061	ND (0.055)	ND (0.049)	ND (0.05)	0.076	ND (0.056)	-	0.082	0.29	ND (0.053)	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (51)	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (51)	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)
SUM of PCBs	1	NA	**32**	0.66	0.134	ND	ND	ND	ND	0.046	ND	-	**730**	**16.5**	**3.6**	0.54	0.181	ND	ND	ND	0.216	0.057	-	0.16	0.63	**2.9**	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	-	-	-	-	-	-	8.7	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N14	N14	N14	N14	N14	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N16	N16	N16	N16	N16	N16	N16
Sample Name			N14_S7_13-15	N14_S8_15-17	N14_S9_17-19	N14_S10_19-21	N14_S11_21-23	N15_S2_4.2-5.2	N15_S4_4.2-7.2	N15_S3_5.2-7.2	N15_S5_7.2-9.2	N15_S6_9.2-11.2	N15_S7_11.2-13.2	N15_S8_13.2-15.2	N15_S9_15.2-17.2	N15_S10_17.2-19.2	N15_S11_19.2-21.2	N15_S12_21.2-23.2	N16_S2_5.3-7.3	N16_S7_5.3-15.3	N16_S3_7.3-9.3	N16_S4_9.3-11.3	N16_S5_11.3-13.3	N16_S6_13.3-15.3	N16_S8_15.3-17.3
Sample Date			06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134176-1	134176-2	134176-3	134176-4	134176-5	134155-13	134155-15 134155-66 134155-66RA1 134155-77 134328-2	134155-14	134155-16 134155-16RA1	134155-17	134155-18	134155-19	134176-6	134176-7	134176-8	134176-9	134155-1 134155-1RA1	134155-6 134155-64 134155-75 134328-1	134155-2	134155-3 134155-3RA1	134155-4	134155-5	134155-7
Sample Depth (bgs)			13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	4.2 - 5.2 (ft)	4.2 - 7.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	5.3 - 7.3 (ft)	5.3 - 15.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15 to 14	15 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	**7.7**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	**30**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	**ND (0.52)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	**ND (0.52)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	**ND (2.1)**	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	ND (0.52)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	**ND (0.52)**	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	41.9	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	**3**	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	**2.2**	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	0.64	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	**2.1**	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	0.76	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	0.61	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	0.55	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	7.8	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	**8.1**	-	-	-	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	-	-	5.3	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	5.1	-	-	-	-	-	-	-	-	-	-	4.5	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	63.6	-	-	-	-	-	-	-	-	-	-	31.23	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N14	N14	N14	N14	N14	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N16	N16	N16	N16	N16	N16	N16
Sample Name			N14_S7_13-15	N14_S8_15-17	N14_S9_17-19	N14_S10_19-21	N14_S11_21-23	N15_S2_4.2-5.2	N15_S4_4.2-7.2	N15_S3_5.2-7.2	N15_S5_7.2-9.2	N15_S6_9.2-11.2	N15_S7_11.2-13.2	N15_S8_13.2-15.2	N15_S9_15.2-17.2	N15_S10_17.2-19.2	N15_S11_19.2-21.2	N15_S12_21.2-23.2	N16_S2_5.3-7.3	N16_S7_5.3-15.3	N16_S3_7.3-9.3	N16_S4_9.3-11.3	N16_S5_11.3-13.3	N16_S6_13.3-15.3	N16_S8_15.3-17.3
Sample Date			06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134176-1	134176-2	134176-3	134176-4	134176-5	134155-13	134155-15 134155-66 134155-66RA1 134155-77 134328-2	134155-14	134155-16 134155-16RA1	134155-17	134155-18	134155-19	134176-6	134176-7	134176-8	134176-9	134155-1 134155-1RA1	134155-6 134155-64 134155-75 134328-1	134155-2	134155-3 134155-3RA1	134155-4	134155-5	134155-7
Sample Depth (bgs)			13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	4.2 - 5.2 (ft)	4.2 - 7.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	5.3 - 7.3 (ft)	5.3 - 15.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15 to 14	15 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	410	-	-	-	-	-	-	-	-	-	-	ND (37)	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	440	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	720	-	-	-	-	-	-	-	-	-	-	ND (37)	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-	ND (37)	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	**49**	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	ND (3.8)	-	-	-	-	-	-	-	-	-	-	ND (3.5)	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	64	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	**1100**	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-	-	-	-	0.79	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	ND (6.3)	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	ND (6.3)	-	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	210	-	-	-	-	-	-	-	-	-	-	480	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**ND (23)**	-	**ND (25)**	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**ND (23)**	-	**ND (25)**	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**ND (23)**	-	**ND (25)**	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**ND (23)**	-	**ND (25)**	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**200**	-	**ND (25)**	0.99 p	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	0.583	ND (0.052)	0.34	ND (0.048)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**ND (23)**	-	**68**	ND (0.053)	0.2	0.12	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	0.96	-	0.18	ND (0.05)	0.12	ND (0.053)	0.063
Aroclor-1260 (PCB-1260)	1	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	**65**	-	**97**	0.67	0.15	0.2	ND (0.051)	ND (0.055)	0.072	ND (0.052)	ND (0.057)	0.61	-	0.12	0.7	0.093	0.14	ND (0.048)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.059)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.047)	-	ND (0.051)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	**265**	-	**165**	**1.66**	0.35	0.32	ND	ND	0.072	ND	ND	**1.57**	-	0.3	**2.7**	0.213	0.48	0.063
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	9.5	-	-	-	-	-	-	-	-	-	-	**7**	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	ND (2.8)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (2.8)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	ND (2.8)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N16	N16	N16	N16	N16A	N16A	N16A	N16A	N17	N17	N17	N17	N17	N17	N17	N17	N17	N17	N17	N17	N17A	N17A	N17A	N18	N18
Sample Name			N16_S9_17.3-19.3	N16_S10_19.3-21.3	N16_S11_21.3-23.3	N16_S12_23.3-25.3	N16A_S2_3.3-5.3	N16A_S1_3.4-7.3	N16A_S3_5.3-7.3	N16A_S4_7.3-9.3	N17_S2_1.1-3.1	N17_S5_1.1-6.1	N17_S3_3.1-5.1	N17_S4_5.1-7.1	N17_S6_7.1-9.1	N17_S7_9.1-11.1	N17_S8_11.1-13.1	N17_S9_13.1-15.1	N17_S10_15.1-17.1	N17_S11_17.1-19.1	N17_S12_19.1-21.1	N17a_S1_1-6	N17a_S2_6-11	N17a_S3_23-28	N18_S1_0.9-4.8	N18_S7_4.8-14.8
Sample Date			06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/22/2015	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	12/30/2010	12/30/2010	12/30/2010	06/17/2010	06/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134155-8	134155-9	134155-10	134155-11	15A0732-02	15A0732-01 15A0917-01	15B0081-01	15B0081-02	134611-37	134611-40 134611-54 134611-61 134787-6 134787-7	134611-38	134611-39	134611-41	134611-42	134611-43 134611-43RA1	134611-44	134611-45	134611-46	134611-47	138884-34 138884-46 138884-57 139115-2 139115-5	138884-37 138884-47 138884-58 139115-3 139115-6	138884-38 138884-48 138884-59 139115-7	134053-54 134053-54RA1 134053-66 134053-75 134263-1	134053-59 134053-67 134053-76 134263-5
Sample Depth (bgs)			17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	3.3 - 5.3 (ft)	3.4 - 7.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	1.1 - 3.1 (ft)	1.1 - 6.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	11.1 - 13.1 (ft)	13.1 - 15.1 (ft)	15.1 - 17.1 (ft)	17.1 - 19.1 (ft)	19.1 - 21.1 (ft)	1 - 6 (ft)	6 - 11 (ft)	23 - 28 (ft)	0.9 - 4.8 (ft)	4.8 - 14.8 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 14	15.9 to 12	14 to 12	12 to 10	18 to 16	18 to 13	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	17.6 to 12.6	12.6 to 7.6	-4.4 to -9.4	18.1 to 14.2	14.2 to 4.2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	NEW FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.0036)	-	-	-	6.3	-	-	-	-	-	-	-	-	-	8.7	0.047	ND (0.011)	ND (0.009)	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.0036)	-	-	-	**19**	-	-	-	-	-	-	-	-	-	**6.7**	0.087	ND (0.011)	ND (0.009)	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.0018)	-	-	-	0.69	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.0018)	-	-	-	2.4	-	-	-	-	-	-	-	-	-	0.72	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.0018)	-	-	-	**16**	-	-	-	-	-	-	-	-	-	**3.3**	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.0018)	-	-	-	**26**	-	-	-	-	-	-	-	-	-	**0.83**	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Acetone	6	NA	-	-	-	-	-	ND (0.091)	-	-	-	**ND (6.7)**	-	-	-	-	-	-	-	-	-	ND (3.2)	ND (0.2)	ND (0.44)	ND (0.37)	ND (0.2)
Benzene	2	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.0036)	-	-	-	**ND (0.67)**	-	-	-	-	-	-	-	-	-	**ND (0.32)**	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	0.49	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.0018)	-	-	-	0.86	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.0036)	-	-	-	4.9	-	-	-	-	-	-	-	-	-	0.53	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.0036)	-	-	-	**ND (0.67)**	-	-	-	-	-	-	-	-	-	**ND (0.32)**	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.0091)	-	-	-	**ND (2.7)**	-	-	-	-	-	-	-	-	-	**ND (1.3)**	ND (0.05)	**ND (0.11)**	ND (0.093)	ND (0.05)
Naphthalene	4	NA	-	-	-	-	-	ND (0.0091)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	1.4	0.006	ND (0.011)	ND (0.009)	ND (0.005)
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
o-Xylene	NA	NA	-	-	-	-	-	ND (0.0018)	-	-	-	1.9	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Styrene	3	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.0018)	-	-	-	ND (0.67)	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Toluene	30	NA	-	-	-	-	-	ND (0.0018)	-	-	-	1.5	-	-	-	-	-	-	-	-	-	0.48	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.0018)	-	-	-	**ND (0.67)**	-	-	-	-	-	-	-	-	-	**0.45**	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	-	-	79.55	-	-	-	-	-	-	-	-	-	23.6	0.14	ND	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (1.5)	-	-	-	**4.6**	-	-	-	-	-	-	-	-	-	**8.4**	**12**	ND (0.8)	ND (0.35)	ND (0.41)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.53	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (1.5)	-	-	-	0.78	-	-	-	-	-	-	-	-	-	0.76	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	**ND (1.5)**	-	-	-	**1.1**	-	-	-	-	-	-	-	-	-	**0.92**	0.52	**ND (0.8)**	ND (0.35)	ND (0.41)
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	**ND (1.5)**	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.63	ND (0.42)	**ND (0.8)**	ND (0.35)	ND (0.41)
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	**ND (1.5)**	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	**ND (0.8)**	ND (0.35)	ND (0.41)
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	**ND (0.74)**	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	**0.97**	ND (0.42)	**ND (0.8)**	0.63	ND (0.41)
2-Methylphenol	500	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.45	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.94	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Acenaphthene	4	NA	-	-	-	-	-	0.82	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.78	ND (0.42)	ND (0.8)	2.1	ND (0.41)
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.69	ND (0.42)	ND (0.8)	0.51	ND (0.41)
Acetophenone	NA	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Aniline	NA	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Anthracene	1000	NA	-	-	-	-	-	1.3	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	1.5	0.73	ND (0.8)	4.7	ND (0.41)
Benzo(a)anthracene	7	NA	-	-	-	-	-	3.9	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	3.8	1.5	ND (0.8)	**8.2**	ND (0.41)
Benzo(a)pyrene	2	NA	-	-	-	-	-	**3.9**	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	**3.1**	1.2	ND (0.8)	**6.4**	ND (0.41)
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	5.7	-	-	-	0.46	-	-	-	-	-	-	-	-	-	5.9	2	ND (0.8)	**7.9**	ND (0.41)
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	2.8	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	0.69	ND (0.41)
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	2.1	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	2.2	0.79	ND (0.8)	2.7	ND (0.41)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	1.6	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.73	0.51	ND (0.8)	ND (0.35)	ND (0.41)
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.64	ND (0.42)	ND (0.8)	1.4	ND (0.41)
Chrysene	70	NA	-	-	-	-	-	4.7	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	1.8	1.3	ND (0.8)	8.2	ND (0.41)
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	**ND (0.74)**	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	**ND (0.8)**	0.48	ND (0.41)
Dibenzofuran	100	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.73	0.44	ND (0.8)	1.8	ND (0.41)
Diethyl phthalate	10	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (2.9)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Fluoranthene	1000	NA	-	-	-	-	-	8.3	-	-	-	0.53	-	-	-	-	-	-	-	-	-	6.1	3	ND (0.8)	20	0.55
Fluorene	1000	NA	-	-	-	-	-	0.74	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.88	ND (0.42)	ND (0.8)	2.3	ND (0.41)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	2.9	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.53	0.43	ND (0.8)	1.6	ND (0.41)
Isophorone	100	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Naphthalene	4	NA	-	-	-	-	-	1.4	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	2.6	0.8	ND (0.8)	0.93	ND (0.41)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Pentachlorophenol	3	NA	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.6)	**ND (3)**	ND (0.35)	ND (0.41)
Phenanthrene	10	NA	-	-	-	-	-	5.6	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	4.5	2.1	ND (0.8)	**21**	ND (0.41)
Phenol	1	NA	-	-	-	-	-	**ND (1.5)**	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)
Pyrene	1000	NA	-	-	-	-	-	8.3	-	-	-	0.47	-	-	-	-	-	-	-	-	-	4.8	2.3	ND (0.8)	17	0.49
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	54.06	-	-	-	7.94	-	-	-	-	-	-	-	-	-	54.88	29.62	ND	108.54	1.04

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N16	N16	N16	N16	N16A	N16A	N16A	N16A	N17	N17	N17	N17	N17	N17	N17	N17	N17	N17	N17A	N17A	N17A	N18	N18
Sample Name			N16_S9_17.3-19.3	N16_S10_19.3-21.3	N16_S11_21.3-23.3	N16_S12_23.3-25.3	N16A_S2_3.3-5.3	N16A_S1_3.4-7.3	N16A_S3_5.3-7.3	N16A_S4_7.3-9.3	N17_S2_1.1-3.1	N17_S5_1.1-6.1	N17_S3_3.1-5.1	N17_S4_5.1-7.1	N17_S6_7.1-9.1	N17_S7_9.1-11.1	N17_S8_11.1-13.1	N17_S9_13.1-15.1	N17_S10_15.1-17.1	N17_S11_17.1-19.1	N17_S12_19.1-21.1	N17a_S1_1-6	N17a_S2_6-11	N17a_S3_23-28	N18_S1_0.9-4.8	N18_S7_4.8-14.8
Sample Date			06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/22/2015	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	12/30/2010	12/30/2010	12/30/2010	06/17/2010	06/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134155-8	134155-9	134155-10	134155-11	15A0732-02	15A0732-01 15A0917-01	15B0081-01	15B0081-02	134611-37	134611-40 134611-54 134611-61 134787-6 134787-7	134611-38	134611-39	134611-41	134611-42	134611-43 134611-43RA1	134611-44	134611-45	134611-46	134611-47	138884-34 138884-46 138884-57 139115-2 139115-5	138884-37 138884-47 138884-58 139115-3 139115-6	138884-38 138884-48 138884-59 139115-7	134053-54 134053-54RA1 134053-66 134053-75 134263-1	134053-59 134053-67 134053-76 134263-5
Sample Depth (bgs)			17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	3.3 - 5.3 (ft)	3.4 - 7.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	1.1 - 3.1 (ft)	1.1 - 6.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	11.1 - 13.1 (ft)	13.1 - 15.1 (ft)	15.1 - 17.1 (ft)	17.1 - 19.1 (ft)	19.1 - 21.1 (ft)	1 - 6 (ft)	6 - 11 (ft)	23 - 28 (ft)	0.9 - 4.8 (ft)	4.8 - 14.8 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 14	15.9 to 12	14 to 12	12 to 10	18 to 16	18 to 13	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	17.6 to 12.6	12.6 to 7.6	-4.4 to -9.4	18.1 to 14.2	14.2 to 4.2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	NEW FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	2900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	290	-	-	-	-	-	-	-	-	-	350	160	ND (48)	93	ND (38)
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	410	180	ND (48)	110	41
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	470	-	-	-	-	-	-	-	-	-	270	150	68	70	ND (38)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	ND (170)	-	-	-	-	-	-	-	-	-	42	43	ND (48)	ND (32)	ND (38)
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	-	-	-	-	-	-	8.5	-	-	-	-	-	-	-	-	-	**25**	11	5.4	2.5	ND (1.1)
Arsenic	20	NA	-	-	-	-	-	8.5	-	-	-	ND (3.3)	-	-	-	-	-	-	-	-	-	5.6	6	ND (7.5)	13	3.6
Barium	1000	NA	-	-	-	-	-	520	-	-	-	31	-	-	-	-	-	-	-	-	-	90	82	52	93	80
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	ND (0.33)	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.4)	ND (0.75)	ND (0.33)	ND (0.33)
Cadmium	70	NA	-	-	-	-	-	20	-	-	-	ND (0.55)	-	-	-	-	-	-	-	-	-	1.6	2.1	ND (1.3)	1.4	1.6
Chromium	100	NA	-	-	-	-	-	**140**	-	-	-	40	-	-	-	-	-	-	-	-	-	93	53	39	12	35
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (0.18)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	-	ND (1)
Lead	200	NA	-	-	-	-	-	**7400**	-	-	-	**250**	-	-	-	-	-	-	-	-	-	**1000**	**810**	17	160	63
Mercury	20	NA	-	-	-	-	-	3.2	-	-	-	0.18	-	-	-	-	-	-	-	-	-	1.9	0.82	0.062	0.13	0.27
Nickel	600	NA	-	-	-	-	-	-	-	-	-	7.8	-	-	-	-	-	-	-	-	-	12	42	18	12	22
Selenium	400	NA	-	-	-	-	-	ND (5.2)	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (6.7)	ND (13)	ND (5.4)	ND (5.5)
Silver	100	NA	-	-	-	-	-	ND (5.2)	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)	ND (2.5)	ND (1.1)	ND (1.1)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (6.7)	**ND (13)**	ND (5.4)	ND (5.5)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	28	74	63	19	42
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	160	440	41	160	110
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	130	-	-	-	12	-	-	-	-	-	-	-	-	-	17	21	-	ND (0.3)	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**ND (23)**	-	**ND (58)**	**ND (12)**	**ND (46)**	-	**ND (100)**	**ND (5.1)**	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**ND (23)**	-	**ND (58)**	**ND (12)**	**ND (46)**	-	**ND (100)**	**ND (5.1)**	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**ND (23)**	-	**ND (58)**	**ND (12)**	**ND (46)**	-	**ND (100)**	**ND (5.1)**	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**ND (23)**	-	**ND (58)**	**ND (12)**	**ND (46)**	-	**ND (100)**	**ND (5.1)**	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**150**	-	**230**	**82**	**ND (46)**	-	**ND (100)**	**ND (5.1)**	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
Aroclor-1254 (PCB-1254)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**200**	-	**420**	**90**	**160**	-	**ND (100)**	**ND (5.1)**	0.21	0.061	0.53	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	0.52	-
Aroclor-1260 (PCB-1260)	1	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	**130**	-	**75**	**25**	**120**	-	**240**	**42**	0.49	0.13	0.94	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	0.53	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (23)	-	ND (58)	ND (12)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (23)	-	ND (58)	ND (12)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-
SUM of PCBs	1	NA	ND	ND	ND	ND	**480**	-	**725**	**197**	**280**	-	**240**	**42**	0.7	0.191	**1.47**	ND	ND	ND	ND	-	-	-	**1.05**	-
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	86.7	92.1	85.5	83.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	165 >	165 >	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (3.9)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (20)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	150	-	-	-	440	-	-	-	-	-	-	-	-	-	410	450	510	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	8	-	-	-	8.1	-	-	-	-	-	-	-	-	-	7.1	7	6.9	8.4	7.8
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	**100**	-	-	-	-	-	-	-	-	-	2.6	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	2.9	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	**120**	-	-	-	-	-	-	-	-	-	13	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	5.3	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	19	ND (1.3)	ND (3.8)	1.9	ND (1.9)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N19	N19	N19A	N19A	N19A	N19A	N20	N20	N20	N20	O5	O5	O5	O5
Sample Name			N18_S2_5-7	N18_S3_7-9	N18_S4_9-11	N18_S5_11-13	N18_S6_13-15	N18_S8_15-17	N18_S9_17-19	N18_S10_19-21	N18_S11_21-23	N18_S12_23-25	N19_S1_1-5	N19_S2_5-10	N19A_S1_1.7-2.7	N19A_S2_2.7-4.7	N19A_S3_4.7-6.7	N19A_S4_6.7-8.7	N20_S1_1.5-2.5	N20_S2_2.5-4.5	N20_S3_4.5-6.5	N20_S4_6.5-8.5	O5_S1_0-1.2	O5_S2_1.2-3.2	O5_S3_3.2-5.2	O5_S4_5.2-7.2
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	12/29/2010	12/29/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134053-41	134053-42	134053-43	134053-44	134053-45	134053-46	134053-47	134053-48	134053-49	134053-50	138861-41 138861-48 138861-53	138861-40 138861-47 138861-52 139112-2	15K1002-01	15K1002-02	15K1002-03	15K1002-04	15K1002-18	15K1002-19	15K1002-20	15K1003-01	15K1157-07	15K1157-08	15K1157-09	15K1157-10
Sample Depth (bgs)			5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	1 - 5 (ft)	5 - 10 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.1 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17.8 to 13.8	13.8 to 8.8	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL/HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	ND (0.25)	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.063)	ND (0.051)	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	0.53	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	1.3	0.69	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	1.1	0.57	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	1.4	0.67	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	0.79	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	0.52	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	1.3	0.65	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	2.7	1.4	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	0.8	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	1.9	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	2.1	1.2	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	14.44	6.38	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N19	N19	N19A	N19A	N19A	N19A	N20	N20	N20	N20	O5	O5	O5	O5
Sample Name			N18_S2_5-7	N18_S3_7-9	N18_S4_9-11	N18_S5_11-13	N18_S6_13-15	N18_S8_15-17	N18_S9_17-19	N18_S10_19-21	N18_S11_21-23	N18_S12_23-25	N19_S1_1-5	N19_S2_5-10	N19A_S1_1.7-2.7	N19A_S2_2.7-4.7	N19A_S3_4.7-6.7	N19A_S4_6.7-8.7	N20_S1_1.5-2.5	N20_S2_2.5-4.5	N20_S3_4.5-6.5	N20_S4_6.5-8.5	O5_S1_0-1.2	O5_S2_1.2-3.2	O5_S3_3.2-5.2	O5_S4_5.2-7.2
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	12/29/2010	12/29/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134053-41	134053-42	134053-43	134053-44	134053-45	134053-46	134053-47	134053-48	134053-49	134053-50	138861-41 138861-48 138861-53	138861-40 138861-47 138861-52 139112-2	15K1002-01	15K1002-02	15K1002-03	15K1002-04	15K1002-18	15K1002-19	15K1002-20	15K1003-01	15K1157-07	15K1157-08	15K1157-09	15K1157-10
Sample Depth (bgs)			5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	1 - 5 (ft)	5 - 10 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.1 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)
Sample Elevation (ft BCB)			14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17.8 to 13.8	13.8 to 8.8	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL/HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	83	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	100	29	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	100	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (23)	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	3.3	3.8	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	4.1	ND (3.8)	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	66	70	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	1.4	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	12	23	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	64	150	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	0.36	5.4	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	61	16	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	ND (5.8)	ND (6.3)	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	ND (5.8)	ND (6.3)	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	22	40	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	550	88	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	**1.7**	ND (0.12)	ND (0.13)	**1.7**	0.79	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	0.13	**2.4**	0.26	ND (0.13)	0.79	0.36	ND (0.12)	ND (0.13)	0.13	0.36	ND (0.11)	ND (0.13)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	**1.8**	0.62	ND (0.13)	0.56	0.25	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	-	-	ND (0.11)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	0.13	**5.9**	0.88	ND	**3.05**	**1.4**	ND	ND	0.13	0.36	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	86.7	94.2	80	74	88.2	87.5	81.3	79	88.7	91.1	89.1	78.8
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	7.1	7.2	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	5.6	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	6.9	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	13	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O6	O6	O6	O6	O7	O7	O7	O7	O8	O8	O8	O8	O9	O9	O9	O10	O10	O10	O10	O10	O11	O11	O11	O11	O11
Sample Name			O6_S1_0.0-1.5'	O6_S2_1.5-3.5'	O6_S3_3.5-5.5	O6_S4_5.5-7.5'	O7_S1_0.8-1.8	O7_S2_1.8-3.8	O7_S3_3.8-5.8	O7_S4_5.8-7.8	O8_S1_1.0-2.0	O8_S2_2.0-4.0	O8_S3_4.0-6.0	O8_S4_6.0-8.0	O9_S1_0.5-6.0	O9_S2_4.0-6.0	O9_S3_6.0-8.0	O10_S1_1.5-6.5	O10_S2_1.5-2.5	O10_S3_2.5-4.5	O10_S4_4.5-6.5	O10_S5_6.5-8.5	O10_S6_8.5-10.5	O11_S1_4.5-6.5	O11_S2_4.5-9.5	O11_S3_6.5-8.5	O11_S4_8.5-10.5	O11_S5_9.5-14.5
Sample Date			11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			15K0836-19	15K0836-20	15K0837-01	15K0837-02	15K1069-17	15K1069-18	15K1069-19	15K1069-20	15K1068-01	15K1068-02	15K1068-03	15K1068-04	15C0517-01	15C0031-04	15C0031-05	15C0029-01 15C0337-01	15C0029-02	15C0029-03	15C0029-04	15C0029-05	15C0515-01	138884-28	138884-44 138884-55 138884-66	138884-29	138884-30	138884-45 138884-56 138884-67 139115-12
Sample Depth (bgs)			0 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	1.5 - 6.5 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	4.5 - 6.5 (ft)	4.5 - 9.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	9.5 - 14.5 (ft)
Sample Elevation (ft BCB)			17.5 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 12	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	10 to 8	14 to 12	14 to 9	12 to 10	10 to 8	9 to 4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.068)	-	-	-	-	-	-	ND (0.31)	-	-	ND (0.2)
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0023	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	ND (0.078)	-	-	ND (0.05)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0023	-	-	-	-	-	-	ND	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.86	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	0.59	-	-	ND (0.41)
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (1.5)	-	-	ND (0.41)
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	0.52	-	-	ND (0.41)
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.41)
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-	0.45	-	-	ND (0.41)
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.43	-	-	-	-	-	-	1.56	-	-	ND

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O6	O6	O6	O6	O7	O7	O7	O7	O8	O8	O8	O8	O9	O9	O9	O10	O10	O10	O10	O10	O10	O11	O11	O11	O11	O11
Sample Name			O6_S1_0.0-1.5'	O6_S2_1.5-3.5'	O6_S3_3.5-5.5	O6_S4_5.5-7.5'	O7_S1_0.8-1.8	O7_S2_1.8-3.8	O7_S3_3.8-5.8	O7_S4_5.8-7.8	O8_S1_1.0-2.0	O8_S2_2.0-4.0	O8_S3_4.0-6.0	O8_S4_6.0-8.0	O9_S1_0.5-6.0	O9_S4_4.0-6.0	O9_S5_6.0-8.0	O10_S1_1.5-6.5	O10_S2_1.5-2.5	O10_S3_2.5-4.5	O10_S4_4.5-6.5	O10_S5_6.5-8.5	O10_S6_8.5-10.5	O11_S1_4.5-6.5	O11_S2_4.5-9.5	O11_S3_6.5-8.5	O11_S4_8.5-10.5	O11_S5_9.5-14.5
Sample Date			11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			15K0836-19	15K0836-20	15K0837-01	15K0837-02	15K1069-17	15K1069-18	15K1069-19	15K1069-20	15K1068-01	15K1068-02	15K1068-03	15K1068-04	15C0517-01	15C0031-04	15C0031-05	15C0029-01 15C0337-01	15C0029-02	15C0029-03	15C0029-04	15C0029-05	15C0515-01	138884-28	138884-44 138884-55 138884-66	138884-29	138884-30	138884-45 138884-56 138884-67 139115-12
Sample Depth (bgs)			0 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	1.5 - 6.5 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	4.5 - 6.5 (ft)	4.5 - 9.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	9.5 - 14.5 (ft)
Sample Elevation (ft BCB)			17.5 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 12	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	10 to 8	14 to 12	14 to 9	12 to 10	10 to 8	9 to 4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	ND (25)
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	ND (25)
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	ND (25)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-	-	ND (25)
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	4.9
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	7.1	-	-	ND (4)
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	43	-	-	65
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.4)
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-	-	-	-	-	1.2	-	-	1
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	8.2	-	-	36
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-	57	-	-	33
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.36	-	-	-	-	-	-	0.18	-	-	0.15
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	26
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-	-	-	ND (6.3)	-	-	ND (6.7)
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.3)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.3)	-	-	ND (6.7)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	58
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	63
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	**ND (2.4)**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	**ND (2.4)**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	**ND (2.4)**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	ND (0.12)	ND (0.12)	ND (0.12)	**ND (1.1)**	**ND (2.4)**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1248 (PCB-1248)	1	NA	0.56	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	0.14	ND (0.11)	ND (0.11)	0.17	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	0.58	0.98	0.5	**2.4**	**6.8**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1254 (PCB-1254)	1	NA	**1.2**	0.16	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	0.27	ND (0.11)	0.13	0.17	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	0.47	0.59	0.69	**5**	**15**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1260 (PCB-1260)	1	NA	**2.3**	0.12	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	0.16	ND (0.11)	ND (0.11)	0.19	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	0.22	0.53	0.4	**ND (1.1)**	**ND (2.4)**	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-
SUM of PCBs	1	NA	**4.06**	0.28	ND	ND	ND	ND	0.57	ND	0.13	0.53	ND	ND	ND	ND	ND	-	**1.27**	**2.1**	**1.59**	**7.4**	**21.8**	ND	-	ND	ND	-
Other																												
Percent Solids, vol. (%wt)	NA	NA	89.7	88.3	87.2	83.1	95.9	88	83.8	86.4	88.1	91.5	91.6	82.8	83.7	80.2	78.5	82.7 82.7	82.1	83.1	79.7	86.1	83.6	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	ND (50)	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	ND (100)	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	-	-	-	-	-	-	-	-	-	510
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	-	-	-	-	-	7	-	-	6.9
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	ND (1.3)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)	-	-	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O11	O11	O11	O12	O12	O12	O12	O12	O12	O12	O12	O12	O12	O12	O13	O13	O13	O13	O13	O13	O13	O13	O13
Sample Name			O11_S6_10.5-12.5	O11_S7_12.5-14.5	O11_S8_14.5-19.5	O12_S2_5.2-8.5	O12_S3_5.2-6.5	O12_S4_6.5-8.5	O12_S5_8.5-10.5	O12_S6_10.5-12.5	O12_S7_12.5-14.5	O12_S8_14.5-16.5	O12_S9_16.5-18.5	O12_S10_18.5-20.5	O12_S11_20.5-22.5	O12_S12_22.5-24.5	O13_S1_0.4-4.5	O13_S2_4.5-7.5	O13_S3_4.5-6.5	O13_S4_6.5-7.5	O13_S5_7.5-8.5	O13_S6_10.5-12.5	O13_S7_12.5-14.5	O13_S8_14.5-16.5	O13_S9_16.5-18.5
Sample Date			12/30/2010	12/30/2010	01/03/2011	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138884-31	138884-32	138916-27 138916-41 138916-53 139127-13	133618-46 133618-56 133618-66	133618-15	133618-16	133618-17	133618-18	133618-19	133618-20	133618-21	133618-22	133618-23	133618-24	133689-13 133689-13RA1 133689-51 133689-60	133689-14 133689-52 133689-61 133883-2	133689-15 133689-15RA1	133689-16	133689-17	133689-18	133689-19	133689-20	133689-21
Sample Depth (bgs)			10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 19.5 (ft)	5.2 - 8.5 (ft)	5.2 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.4 - 4.5 (ft)	4.5 - 7.5 (ft)	4.5 - 6.5 (ft)	6.5 - 7.5 (ft)	7.5 - 8.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to -1	13.3 to 10	13.3 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	18.2 to 14.1	14.1 to 11.1	14.1 to 12.1	12.1 to 11.1	11.1 to 10.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (0.23)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.2)	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.058)	ND (0.094)	-	-	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.051)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.006)	ND (0.009)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.43)	0.51	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	0.36	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	0.93	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	0.42	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	1.1	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.45	1.4	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	0.77	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.39	1.4	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	0.83	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.55	2.6	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	0.58	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	0.96	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.43)	2	-	-	-	-	-	-	-	-	-	-	ND (0.35)	1.2	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	0.92	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.44	1.3	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	2.2	0.52	-	-	-	-	-	-	-	-	-	-	1.1	2.8	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	0.78	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (1.7)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	1.7	0.6	-	-	-	-	-	-	-	-	-	-	0.86	1.8	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.43)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	1.8	0.48	-	-	-	-	-	-	-	-	-	-	0.86	2.2	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	10.25	4.11	-	-	-	-	-	-	-	-	-	-	4.65	17.8	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O11	O11	O11	O12	O12	O12	O12	O12	O12	O12	O12	O12	O12	O12	O13	O13	O13	O13	O13	O13	O13	O13	O13
Sample Name			O11_S6_10.5-12.5	O11_S7_12.5-14.5	O11_S8_14.5-19.5	O12_S2_5.2-8.5	O12_S3_5.2-6.5	O12_S4_6.5-8.5	O12_S5_8.5-10.5	O12_S6_10.5-12.5	O12_S7_12.5-14.5	O12_S8_14.5-16.5	O12_S9_16.5-18.5	O12_S10_18.5-20.5	O12_S11_20.5-22.5	O12_S12_22.5-24.5	O13_S1_0.4-4.5	O13_S2_4.5-7.5	O13_S3_4.5-6.5	O13_S4_6.5-7.5	O13_S5_7.5-8.5	O13_S6_10.5-12.5	O13_S7_12.5-14.5	O13_S8_14.5-16.5	O13_S9_16.5-18.5
Sample Date			12/30/2010	12/30/2010	01/03/2011	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138884-31	138884-32	138916-27 138916-41 138916-53 139127-13	133618-46 133618-56 133618-66	133618-15	133618-16	133618-17	133618-18	133618-19	133618-20	133618-21	133618-22	133618-23	133618-24	133689-13 133689-13RA1 133689-51 133689-60	133689-14 133689-52 133689-61 133883-2	133689-15 133689-15RA1	133689-16	133689-17	133689-18	133689-19	133689-20	133689-21
Sample Depth (bgs)			10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 19.5 (ft)	5.2 - 8.5 (ft)	5.2 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.4 - 4.5 (ft)	4.5 - 7.5 (ft)	4.5 - 6.5 (ft)	6.5 - 7.5 (ft)	7.5 - 8.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to -1	13.3 to 10	13.3 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	18.2 to 14.1	14.1 to 11.1	14.1 to 12.1	12.1 to 11.1	11.1 to 10.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	75	ND (37)	-	-	-	-	-	-	-	-	-	-	87	360	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	83	ND (37)	-	-	-	-	-	-	-	-	-	-	100	370	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	32	ND (37)	-	-	-	-	-	-	-	-	-	-	140	630	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (25)	ND (37)	-	-	-	-	-	-	-	-	-	-	ND (31)	360	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	4.7	2.1	-	-	-	-	-	-	-	-	-	-	2	6	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	ND (4)	ND (3.8)	-	-	-	-	-	-	-	-	-	-	ND (3.2)	ND (3.4)	-	-	-	-	-	-	-
Barium	1000	NA	-	-	79	40	-	-	-	-	-	-	-	-	-	-	75	61	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	ND (0.4)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.34)	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	1.2	2.6	-	-	-	-	-	-	-	-	-	-	0.83	2.5	-	-	-	-	-	-	-
Chromium	100	NA	-	-	44	16	-	-	-	-	-	-	-	-	-	-	13	20	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	32	77	-	-	-	-	-	-	-	-	-	-	50	**340**	-	-	-	-	-	-	-
Mercury	20	NA	-	-	1.2	0.038	-	-	-	-	-	-	-	-	-	-	0.14	0.32	-	-	-	-	-	-	-
Nickel	600	NA	-	-	27	16	-	-	-	-	-	-	-	-	-	-	9.1	14	-	-	-	-	-	-	-
Selenium	400	NA	-	-	ND (6.6)	ND (6.3)	-	-	-	-	-	-	-	-	-	-	ND (5.3)	5.6	-	-	-	-	-	-	-
Silver	100	NA	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-
Thallium	8	NA	-	-	ND (6.6)	ND (6.3)	-	-	-	-	-	-	-	-	-	-	ND (5.3)	ND (5.6)	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	65	31	-	-	-	-	-	-	-	-	-	-	38	67	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	71	130	-	-	-	-	-	-	-	-	-	-	66	84	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	**ND (2.2)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	**ND (2.2)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	**ND (2.2)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.6	-	ND (0.04)	**ND (2.2)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	**ND (2.2)**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	0.66	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	**1.9**	**7.5**	0.048	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	0.29	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	0.47	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.19	-	**1.7**	**6**	0.045	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	1	NA	0.29	ND	-	ND	ND	ND	ND	**1.13**	ND	ND	ND	ND	ND	ND	0.79	-	**3.6**	**13.5**	0.093	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	6.9	6.8	-	-	-	-	-	-	-	-	-	-	9.2	7.1	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.4)	2.4	-	-	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.4)	2.5	-	-	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.4)	ND (2.3)	-	-	-	-	-	-	-	-	-	-	2.2	3.4	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.4)	ND (2.3)	-	-	-	-	-	-	-	-	-	-	4.1	5.6	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.4)	ND (2.3)	-	-	-	-	-	-	-	-	-	-	6.4	9.2	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O13	O13	O13	O14	O14	O14	O14	O14	O14	O14	O14	O14	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15
Sample Name			O13_S10_18.5-20.5	O13_S11_20.5-21.5	O13_S12_21.5-22.5	O14_S5_3.1-13.0	O14_S2_6.7-8.7	O14_S3_8.7-10.7	O14_S4_10.7-12.7	O14_S6_12.7-14.7	O14_S7_14.7-16.7	O14_S8_16.7-18.7	O14_S9_18.7-20.7	O14_S10_20.7-22.7	O15_S1_0.4-5.0	O15_S7_5-15	O15_S2_6-8	O15_S3_8-10	O15_S4_10-12	O15_S5_12-14	O15_S6_14-16	O15_S8_16-18	O15_S9_18-20	O15_S11_22-24
Sample Date			06/04/2010	06/04/2010	06/04/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133689-22	133689-23	133689-24	134155-35 134155-70 134155-81 134328-7	134155-32	134155-33	134155-34	134155-36	134155-37	134155-38	134176-27	134176-28	134155-20 134155-67 134155-78 134328-3	134155-26 134155-68 134155-79 134328-4	134155-21	134155-22	134155-23	134155-24	134155-25	134155-27	134155-28	134155-29	134155-30
Sample Depth (bgs)			18.5 - 20.5 (ft)	20.5 - 21.5 (ft)	21.5 - 22.5 (ft)	3.1 - 13 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.4 - 5 (ft)	5 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)
Sample Elevation (ft BCB)			0.1 to -1.9	-1.9 to -2.9	-2.9 to -3.9	15.6 to 5.7	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 13.9	13.9 to 3.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	ND (0.28)	-	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	ND (0.069)	-	-	-	-	-	-	-	-	ND (0.063)	ND (0.062)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	**1.9**	ND (0.42)	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	0.62	ND (0.42)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	0.48	ND (0.42)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	0.46	ND (0.42)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	0.8	ND (0.42)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	0.64	ND (0.42)	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	1.2	0.52	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	2.6	ND (0.42)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	2.3	ND (0.42)	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	1.4	ND (0.42)	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	0.81	0.47	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	-	-	-	-	-	13.21	0.99	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O13	O13	O13	O14	O14	O14	O14	O14	O14	O14	O14	O14	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15
Sample Name			O13_S10_18.5-20.5	O13_S11_20.5-21.5	O13_S12_21.5-22.5	O14_S5_3.1-13.0	O14_S2_6.7-8.7	O14_S3_8.7-10.7	O14_S4_10.7-12.7	O14_S6_12.7-14.7	O14_S7_14.7-16.7	O14_S8_16.7-18.7	O14_S9_18.7-20.7	O14_S10_20.7-22.7	O15_S1_0.4-5.0	O15_S7_5-15	O15_S2_6-8	O15_S3_8-10	O15_S4_10-12	O15_S5_12-14	O15_S6_14-16	O15_S8_16-18	O15_S9_18-20	O15_S10_20-22	O15_S11_22-24
Sample Date			06/04/2010	06/04/2010	06/04/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria				134155-35 134155-70 134155-81									134155-20 134155-67 134155-78	134155-26 134155-68 134155-79									
Lab Sample ID			133689-22	133689-23	133689-24	134328-7	134155-32	134155-33	134155-34	134155-36	134155-37	134155-38	134176-27	134176-28	134328-3	134328-4	134155-21	134155-22	134155-23	134155-24	134155-25	134155-27	134155-28	134155-29	134155-30
Sample Depth (bgs)			18.5 - 20.5 (ft)	20.5 - 21.5 (ft)	21.5 - 22.5 (ft)	3.1 - 13 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.4 - 5 (ft)	5 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)
Sample Elevation (ft BCB)			0.1 to -1.9	-1.9 to -2.9	-2.9 to -3.9	15.6 to 5.7	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 13.9	13.9 to 3.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	140	-	-	-	-	-	-	-	-	200	170	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	150	-	-	-	-	-	-	-	-	200	180	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	79	-	-	-	-	-	-	-	-	230	ND (37)	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	ND (39)	-	-	-	-	-	-	-	-	ND (32)	ND (37)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	**29**	1.4	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	6.2	-	-	-	-	-	-	-	-	4.4	7.2	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	60	-	-	-	-	-	-	-	-	46	91	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.38)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	1.7	-	-	-	-	-	-	-	-	1.7	0.79	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	33	-	-	-	-	-	-	-	-	22	23	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	33	-	-	-	-	-	-	-	-	**1700**	**720**	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	0.047	-	-	-	-	-	-	-	-	0.048	0.14	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	22	-	-	-	-	-	-	-	-	170	15	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	7.3	-	-	-	-	-	-	-	-	ND (5.4)	ND (6.3)	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	ND (6.7)	-	-	-	-	-	-	-	-	ND (5.4)	ND (6.3)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	33	-	-	-	-	-	-	-	-	48	33	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	65	-	-	-	-	-	-	-	-	510	120	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	58	ND (0.3)	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**ND (2.2)**	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**ND (2.2)**	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**ND (2.2)**	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**ND (2.2)**	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**ND (2.2)**	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	0.11	0.052	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**5.6**	-	0.57	0.13	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	0.097	0.079	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	**3.1**	-	0.36	0.18	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
SUM of PCBs	1	NA	ND	ND	ND	-	ND	0.207	0.131	ND	ND	ND	ND	ND	**8.7**	-	0.93	0.31	ND	ND	ND	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	7.8	-	-	-	-	-	-	-	-	7.9	7.9	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O15A	O15A	O15A	O15A	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16A	O16A	O16A	O16A	O17	O17	O17	O17	O17	O17	O17	O17
Sample Name			O15A_S1_2-6.8	O15A_S2_2.8-4.8	O15A_S3_4.8-6.8	O15A_S4_6.8-8.8	O16_S1_0.4-7.0	O16_S7_7-17	O16_S2_8-10	O16_S3_10-12	O16_S4_12-14	O16_S5_14-16	O16_S6_16-18	O16_S8_18-20	O16_S9_20-22	O16_S10_22-24	O16A_S3_1-3	O16A_S1_2.1-7	O16A_S4_3-5	O16A_S5_5-7	O17_S1_0.5-1.3	O17_S2_1.8-3.8	O17_S5_1.8-7.8	O17_S3_3.8-5.8	O17_S4_5.8-7.8	O17_S6_7.8-9.8	O17_S7_9.8-11.8
Sample Date			01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	01/22/2015	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15A0787-01 15A0787-01RE1 15A0787-01RE2 15A0973-01	15A0787-02	15B0138-01	15B0138-02	134117-47 134117-59 134117-68 134331-3 134331-7	134117-48 134117-60 134117-69	134117-29	134117-30	134117-31	134117-32	134117-33	134117-34	134117-35	134117-36	15A0727-03	15A0727-01 15A0915-01	15A0727-04	15A0727-05	134611-24 134611-51 134611-58 134787-4	134611-25	134611-28 134611-52 134611-59 134787-5	134611-26 134611-26RA1	134611-27 134611-27RA1	134611-29	134611-30
Sample Depth (bgs)			2 - 6.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	0.4 - 7 (ft)	7 - 17 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	1 - 3 (ft)	2.1 - 7 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.5 - 1.3 (ft)	1.8 - 3.8 (ft)	1.8 - 7.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)
Sample Elevation (ft BCB)			16.8 to 12	16 to 14	14 to 12	12 to 10	18.6 to 12	12 to 2	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	18 to 16	16.9 to 12	16 to 14	14 to 12	18.3 to 17.5	17 to 15	17 to 11	15 to 13	13 to 11	11 to 9	9 to 7
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	PREVIOUS FILL	PREVIOUS FILL	PREVIOUS FILL	PREVIOUS FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Acetone	6	NA	ND (0.068)	-	-	-	ND (0.28)	ND (0.28)	-	-	-	-	-	-	-	-	-	ND (0.077)	-	-	ND (0.24)	-	ND (0.2)	-	-	-	-
Benzene	2	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Chlorobenzene	1	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Ethylbenzene	40	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0031)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Methylene chloride	0.1	NA	ND (0.0068)	-	-	-	ND (0.007)	ND (0.07)	-	-	-	-	-	-	-	-	-	ND (0.0077)	-	-	ND (0.059)	-	ND (0.05)	-	-	-	-
Naphthalene	4	NA	ND (0.0068)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0077)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
n-Propylbenzene	100	NA	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
o-Xylene	NA	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Styrene	3	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Tetrachloroethene	1	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Toluene	30	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Trichloroethene	0.3	NA	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	ND (0.39)	-	-	-	0.7	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
2-Methylnaphthalene	0.7	NA	0.41	-	-	-	0.39	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (1.7)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
2-Methylphenol	500	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Acenaphthene	4	NA	0.84	-	-	-	1.5	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Acenaphthylene	1	NA	ND (0.19)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (1.7)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Acetophenone	NA	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Aniline	NA	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Anthracene	1000	NA	7.4	-	-	-	2.7	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Benzo(a)anthracene	7	NA	**13**	-	-	-	5.8	0.49	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	1	-	ND (0.35)	-	-	-	-
Benzo(a)pyrene	2	NA	**9.1**	-	-	-	**5.7**	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	0.8	-	ND (0.35)	-	-	-	-
Benzo(b)fluoranthene	7	NA	**13**	-	-	-	**8.5**	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	1.2	-	ND (0.35)	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	4.5	-	-	-	1.2	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Benzo(k)fluoranthene	70	NA	4.3	-	-	-	3.2	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	0.43	-	ND (0.35)	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	0.49	-	-	-	1.1	0.89	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	0.45	-	ND (0.35)	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	1.3	ND (0.45)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Chrysene	70	NA	12	-	-	-	5.6	0.46	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	0.94	-	ND (0.35)	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	**1.7**	-	-	-	0.52	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (1.7)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Dibenzofuran	100	NA	0.77	-	-	-	0.93	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Diethyl phthalate	10	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Di-n-butylphthalate	50	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (0.76)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (6.5)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Fluoranthene	1000	NA	31	-	-	-	11	0.75	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	1.8	-	ND (0.35)	-	-	-	-
Fluorene	1000	NA	1.9	-	-	-	1.3	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	5.1	-	-	-	1.6	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Isophorone	100	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Naphthalene	4	NA	1.1	-	-	-	0.72	ND (0.45)	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Pentachlorophenol	3	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.72)	-	ND (0.71)	-	-	-	-
Phenanthrene	10	NA	**22**	-	-	-	9.3	0.52	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	0.49	-	ND (0.35)	-	-	-	-
Phenol	1	NA	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	**ND (3.3)**	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-
Pyrene	1000	NA	26	-	-	-	9.6	0.68	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	1.7	-	ND (0.35)	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	154.61	-	-	-	72.66	3.79	-	-	-	-	-	-	-	-	-	ND	-	-	8.81	-	ND	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O15A	O15A	O15A	O15A	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16A	O16A	O16A	O16A	O17	O17	O17	O17	O17	O17	O17	O17
Sample Name			O15A_S1_2-6.8	O15A_S2_2.8-4.8	O15A_S3_4.8-6.8	O15A_S4_6.8-8.8	O16_S1_0.4-7.0	O16_S7_7-17	O16_S2_8-10	O16_S3_10-12	O16_S4_12-14	O16_S5_14-16	O16_S6_16-18	O16_S8_18-20	O16_S9_20-22	O16_S10_22-24	O16A_S3_1-3	O16A_S1_2.1-7	O16A_S4_3-5	O16A_S5_5-7	O17_S1_0.5-1.3	O17_S2_1.8-3.8	O17_S5_1.8-7.8	O17_S3_3.8-5.8	O17_S4_5.8-7.8	O17_S6_7.8-9.8	O17_S7_9.8-11.8
Sample Date			01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	01/22/2015	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15A0787-01 15A0787-01RE1 15A0787-01RE2 15A0973-01	15A0787-02	15B0138-01	15B0138-02	134117-47 134117-59 134117-68 134331-3 134331-7	134117-48 134117-60 134117-69	134117-29	134117-30	134117-31	134117-32	134117-33	134117-34	134117-35	134117-36	15A0727-03	15A0727-01 15A0915-01	15A0727-04	15A0727-05	134611-24 134611-51 134611-58 134787-4	134611-25	134611-28 134611-52 134611-59 134787-5	134611-26 134611-26RA1	134611-27 134611-27RA1	134611-29	134611-30
Sample Depth (bgs)			2 - 6.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	0.4 - 7 (ft)	7 - 17 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	1 - 3 (ft)	2.1 - 7 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.5 - 1.3 (ft)	1.8 - 3.8 (ft)	1.8 - 7.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)
Sample Elevation (ft BCB)			16.8 to 12	16 to 14	14 to 12	12 to 10	18.6 to 12	12 to 2	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	18 to 16	16.9 to 12	16 to 14	14 to 12	18.3 to 17.5	17 to 15	17 to 11	15 to 13	13 to 11	11 to 9	9 to 7
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	PREVIOUS FILL	PREVIOUS FILL	PREVIOUS FILL	PREVIOUS FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1700	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	290	54	-	-	-	-	-	-	-	-	-	-	-	-	160	-	170	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	340	62	-	-	-	-	-	-	-	-	-	-	-	-	160	-	180	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	210	54	-	-	-	-	-	-	-	-	-	-	-	-	190	-	230	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	46	ND (40)	-	-	-	-	-	-	-	-	-	-	-	-	ND (31)	-	ND (31)	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	18	2.4	-	-	-	-	-	-	-	-	-	-	-	-	4	-	7.4	-	-	-	-
Arsenic	20	NA	ND (2.7)	-	-	-	ND (3.4)	4.4	-	-	-	-	-	-	-	-	-	ND (3)	-	-	ND (3.3)	-	ND (3.2)	-	-	-	-
Barium	1000	NA	71	-	-	-	170	51	-	-	-	-	-	-	-	-	-	43	-	-	34	-	59	-	-	-	-
Beryllium	90	NA	-	-	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)	-	-	-	-
Cadmium	70	NA	5.3	-	-	-	6.2	1.1	-	-	-	-	-	-	-	-	-	1.1	-	-	ND (0.56)	-	ND (0.54)	-	-	-	-
Chromium	100	NA	30	-	-	-	51	30	-	-	-	-	-	-	-	-	-	38	-	-	13	-	13	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	**400**	-	-	-	**2100**	53	-	-	-	-	-	-	-	-	-	**340**	-	-	**410**	-	**300**	-	-	-	-
Mercury	20	NA	0.19	-	-	-	2.2	0.21	-	-	-	-	-	-	-	-	-	0.084	-	-	0.85	-	0.61	-	-	-	-
Nickel	600	NA	-	-	-	-	52	19	-	-	-	-	-	-	-	-	-	-	-	-	13	-	10	-	-	-	-
Selenium	400	NA	ND (5.4)	-	-	-	7.4	ND (6.9)	-	-	-	-	-	-	-	-	-	ND (6)	-	-	ND (5.6)	-	ND (5.4)	-	-	-	-
Silver	100	NA	ND (2.7)	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.1)	-	ND (1.1)	-	-	-	-
Thallium	8	NA	-	-	-	-	ND (5.6)	ND (6.9)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.4)	-	-	-	-
Vanadium	400	NA	-	-	-	-	100	39	-	-	-	-	-	-	-	-	-	-	-	-	39	-	21	-	-	-	-
Zinc	1000	NA	-	-	-	-	720	62	-	-	-	-	-	-	-	-	-	-	-	-	110	-	120	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.15	-	-	-	25	-	-	-	-	-	-	-	-	-	-	29	-	-	42	-	15	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.11)	**ND (5.6)**	ND (0.11)	**ND (22)**	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**ND (43)**	-	**ND (46)**	ND (0.12)	**ND (4.3)**	**ND (4.4)**	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.11)	**ND (5.6)**	ND (0.11)	**ND (22)**	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**ND (43)**	-	**ND (46)**	ND (0.12)	**ND (4.3)**	**ND (4.4)**	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.11)	**ND (5.6)**	ND (0.11)	**ND (22)**	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**ND (43)**	-	**ND (46)**	ND (0.12)	**ND (4.3)**	**ND (4.4)**	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.11)	**ND (5.6)**	ND (0.11)	**ND (22)**	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**ND (43)**	-	**ND (46)**	ND (0.12)	**ND (4.3)**	**ND (4.4)**	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
Aroclor-1248 (PCB-1248)	1	NA	-	0.46	**15**	ND (0.11)	**ND (22)**	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**170**	-	**250**	ND (0.12)	**ND (4.3)**	**ND (4.4)**	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
Aroclor-1254 (PCB-1254)	1	NA	-	0.68	**25**	ND (0.11)	**160**	0.61	0.086	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**220**	-	**310**	ND (0.12)	**28**	**37**	-	0.47	0.58	ND (0.053)	ND (0.055)
Aroclor-1260 (PCB-1260)	1	NA	-	0.42	**27**	ND (0.11)	**120**	0.56	0.085	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	**140**	-	**230**	ND (0.12)	**18**	**25**	-	0.38	0.39	ND (0.053)	ND (0.055)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	ND (43)	-	ND (46)	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	ND (43)	-	ND (46)	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)	ND (0.047)	ND (0.053)	ND (0.055)
SUM of PCBs	1	NA	-	**1.56**	**67**	ND	**280**	**1.17**	0.171	ND	ND	ND	ND	ND	ND	ND	**530**	-	**790**	ND	**46**	**62**	-	0.85	0.97	ND	ND
Other																													
Percent Solids, vol. (%wt)	NA	NA	87.8	88.5	87.8	88.5	-	-	-	-	-	-	-	-	-	-	90.6	81.9	86.5	82	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (4)	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	ND (50)	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (100)	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	110	-	-	-	440	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	11	-	-	-	7.7	8.3	-	-	-	-	-	-	-	-	-	8.3	-	-	7.2	-	7.2	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	2.1	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.4)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	2.3	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	1.5	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	1.7	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	1.5	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	ND (1.4)	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	1.5	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	3.3	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	3.2	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O17	O17	O17	O17	O17	O18	O18	O18	O18	O18	O18	O18	O18	O18	O18	O19	O19	O19	O19	P3	P3	P3	P3
Sample Name			O17_S8_11.8-13.8	O17_S9_13.8-15.8	O17_S10_15.8-17.8	O17_S11_17.8-19.8	O17_S12_19.8-21.8	O18_S1_0.7-4.7	O18_S2_4.7-6.7	O18_S3_6.7-8.7	O18_S7_4.7-14.7	O18_S4_8.7-10.7	O18_S5_10.7-12.7	O18_S6_11.7-14.7	O18_S8_14.7-16.7	O18_S9_16.7-18.7	O18_S10_18.7-20.7	O18_S11_20.7-22.7	O19_S1_3.9-4.9	O19_S2_4.9-6.9	O19_S3_6.9-8.9	O19_S4_8.9-10.9	P3_S1_1-5	P3_S2_5-7	P3_S7_5-15	P3_S3_7-9
Sample Date			07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134611-31	134611-32	134611-33	134611-34	134611-35	134053-52 134053-62 134053-71	134053-11	134053-12	134117-52 134117-61 134117-70 134331-9	134117-37	134117-38	134117-39	134117-40	134117-41	134117-42	134117-43	15K1002-06	15K1002-07	15K1002-08	15K1002-09	134530-1 134530-1RA1 134530-47 134530-55 134713-1	134530-2	134530-48 134530-56 134530-7 134713-2	134530-3
Sample Depth (bgs)			11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	4.7 - 14.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	11.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	3.9 - 4.9 (ft)	4.9 - 6.9 (ft)	6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 15 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	18 to 14	14 to 12	12 to 10	14 to 4	10 to 8	8 to 6	7 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	14 to 10	10 to 8	10 to 0	8 to 6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Acetone	6	NA	-	-	-	-	-	ND (0.3)	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.26)	-
Benzene	2	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.075)	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.065)	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.007	-	ND (0.007)	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Styrene	3	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Toluene	30	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	0.007	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	0.5	-
Acenaphthene	4	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.65	-	ND (0.42)	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Aniline	NA	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Anthracene	1000	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	2.7	-	ND (0.42)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	0.66	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	**8.3**	-	0.7	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	0.55	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	**7.4**	-	0.58	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	0.7	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	**10**	-	0.71	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.66	-	ND (0.42)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	3.7	-	ND (0.42)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.43	-	1.2	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Carbazole	NA	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.47	-	ND (0.42)	-
Chrysene	70	NA	-	-	-	-	-	0.68	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	7.4	-	0.7	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Dibenzofuran	100	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.62	-	ND (0.42)	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Fluoranthene	1000	NA	-	-	-	-	-	1.6	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	16	-	1.7	-
Fluorene	1000	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.53	-	ND (0.42)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	0.39	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	1.2	-	ND (0.42)	-
Isophorone	100	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	0.42	-	ND (0.42)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.69)	-	ND (0.85)	-
Phenanthrene	10	NA	-	-	-	-	-	1.4	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	9.2	-	1.6	-
Phenol	1	NA	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Pyrene	1000	NA	-	-	-	-	-	1.3	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	13	-	1.4	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	7.28	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	82.68	-	9.09	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			O17	O17	O17	O17	O17	O18	O18	O18	O18	O18	O18	O18	O18	O18	O18	O18	O19	O19	O19	O19	P3	P3	P3	P3
Sample Name			O17_S8_11.8-13.8	O17_S9_13.8-15.8	O17_S10_15.8-17.8	O17_S11_17.8-19.8	O17_S12_19.8-21.8	O18_S1_0.7-4.7	O18_S2_4.7-6.7	O18_S3_6.7-8.7	O18_S7_4.7-14.7	O18_S4_8.7-10.7	O18_S5_10.7-12.7	O18_S6_11.7-14.7	O18_S8_14.7-16.7	O18_S9_16.7-18.7	O18_S10_18.7-20.7	O18_S11_20.7-22.7	O19_S1_3.9-4.9	O19_S2_4.9-6.9	O19_S3_6.9-8.9	O19_S4_8.9-10.9	P3_S1_1-5	P3_S2_5-7	P3_S7_5-15	P3_S3_7-9
Sample Date			07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134611-31	134611-32	134611-33	134611-34	134611-35	134053-52 134053-62 134053-71	134053-11	134053-12	134117-52 134117-61 134117-70 134331-9	134117-37	134117-38	134117-39	134117-40	134117-41	134117-42	134117-43	15K1002-06	15K1002-07	15K1002-08	15K1002-09	134530-1 134530-1RA1 134530-47 134530-55 134713-1	134530-2	134530-48 134530-56 134530-7 134713-2	134530-3
Sample Depth (bgs)			11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	4.7 - 14.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	11.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	3.9 - 4.9 (ft)	4.9 - 6.9 (ft)	6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 15 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)			7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	18 to 14	14 to 12	12 to 10	14 to 4	10 to 8	8 to 6	7 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	14 to 10	10 to 8	10 to 0	8 to 6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	150	-	-	120	-	-	-	-	-	-	-	-	-	-	-	300	-	140	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	170	-	-	120	-	-	-	-	-	-	-	-	-	-	-	350	-	170	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	160	-	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	190	-	140	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (33)	-	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	ND (31)	-	ND (38)	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	1.8	-	ND (1.4)	-
Arsenic	20	NA	-	-	-	-	-	17	-	-	ND (4.1)	-	-	-	-	-	-	-	-	-	-	-	ND (3.3)	-	4.6	-
Barium	1000	NA	-	-	-	-	-	37	-	-	66	-	-	-	-	-	-	-	-	-	-	-	33	-	150	-
Beryllium	90	NA	-	-	-	-	-	ND (0.35)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.43)	-
Cadmium	70	NA	-	-	-	-	-	0.71	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	0.77	-	1.2	-
Chromium	100	NA	-	-	-	-	-	7.8	-	-	35	-	-	-	-	-	-	-	-	-	-	-	10	-	14	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	39	-	-	39	-	-	-	-	-	-	-	-	-	-	-	**230**	-	**330**	-
Mercury	20	NA	-	-	-	-	-	0.19	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	0.34	-	4.7	-
Nickel	600	NA	-	-	-	-	-	6.6	-	-	25	-	-	-	-	-	-	-	-	-	-	-	8.5	-	13	-
Selenium	400	NA	-	-	-	-	-	ND (5.9)	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (7.2)	-
Silver	100	NA	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-
Thallium	8	NA	-	-	-	-	-	ND (5.9)	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (7.2)	-
Vanadium	400	NA	-	-	-	-	-	12	-	-	46	-	-	-	-	-	-	-	-	-	-	-	16	-	16	-
Zinc	1000	NA	-	-	-	-	-	140	-	-	69	-	-	-	-	-	-	-	-	-	-	-	61	-	160	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	2.7	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	0.88	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.043)	ND (0.057)	-	ND (0.053)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	0.88	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79.9	78.3	80.3	69.4	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	8.6	-	-	8	-	-	-	-	-	-	-	-	-	-	-	7.7	-	7.3	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	1.7	-	ND (1.5)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P3	P3	P3	P3	P3	P3	P3	P3	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P5	P5	P5	P5	P6	P6
Sample Name			P3_S4_9-11	P3_S5_11-13	P3_S6_13-15	P3_S8_15-17	P3_S9_17-19	P3_S10_19-21	P3_S11_21-22	P3_S12_22-23	P4_S1_0.5-8	P4_S2_8-10	P4_S7_8-18	P4_S3_10-12	P4_S4_12-14	P4_S5_14-16	P4_S6_16-18	P4_S8_18-20	P4_S9_20-22	P4_S10_22-24	P4_S11_24-26	P5_S1_0-0.8	P5_S2_0.8-2.8	P5_S3_2.8-4.8	P5_S4_4.8-6.8	P6_S1_1-6	P6_S2_6-7
Sample Date			07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/04/2011	01/04/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			134530-4	134530-5	134530-6	134530-8	134530-9	134530-10	134530-11	134530-12	133820-38 133820-48 133820-56	133820-26	133820-42 133820-49 133820-57 134052-4	133820-27	133820-28	133820-29	133820-30	133820-31	133820-32	133820-33	133820-34	15K1157-01	15K1157-02	15K1157-03	15K1157-04	138940-26 138940-40 138940-50	138940-1
Sample Depth (bgs)			9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 22 (ft)	22 - 23 (ft)	0.5 - 8 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1 - 6 (ft)	6 - 7 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -7	-7 to -8	16 to 8.5	8.5 to 6.5	8.5 to -1.5	6.5 to 4.5	4.5 to 2.5	2.5 to 0.5	0.5 to -1.5	-1.5 to -3.5	-3.5 to -5.5	-5.5 to -7.5	-7.5 to -9.5	16.8 to 16	16 to 14	14 to 12	12 to 10	16 to 11	11 to 10
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.051)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	0.01	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	0.01	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.41	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	0.8	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	1.4	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	1.2	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	1.7	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	0.44	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	0.63	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.89	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	1.4	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	3.1	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.39	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	0.52	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	2.7	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	2.6	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	16.49	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	25.33	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	P3	P3	P3	P3	P3	P3	P3	P3	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P5	P5	P5	P5	P6	P6
Sample Name			P3_S4_9-11	P3_S5_11-13	P3_S6_13-15	P3_S8_15-17	P3_S9_17-19	P3_S10_19-21	P3_S11_21-22	P3_S12_22-23	P4_S1_0.5-8	P4_S2_8-10	P4_S7_8-18	P4_S3_10-12	P4_S4_12-14	P4_S5_14-16	P4_S6_16-18	P4_S8_18-20	P4_S9_20-22	P4_S10_22-24	P4_S11_24-26	P5_S1_0-0.8	P5_S2_0.8-2.8	P5_S3_2.8-4.8	P5_S4_4.8-6.8	P6_S1_1-6	P6_S2_6-7
Sample Date			07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/04/2011	01/04/2011
Lab Sample ID			134530-4	134530-5	134530-6	134530-8	134530-9	134530-10	134530-11	134530-12	133820-38 133820-48 133820-56	133820-26	133820-42 133820-49 133820-57 134052-4	133820-27	133820-28	133820-29	133820-30	133820-31	133820-32	133820-33	133820-34	15K1157-01	15K1157-02	15K1157-03	15K1157-04	138940-26 138940-40 138940-50	138940-1
Sample Depth (bgs)			9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 22 (ft)	22 - 23 (ft)	0.5 - 8 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1 - 6 (ft)	6 - 7 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -7	-7 to -8	16 to 8.5	8.5 to 6.5	8.5 to -1.5	6.5 to 4.5	4.5 to 2.5	2.5 to 0.5	0.5 to -1.5	-1.5 to -3.5	-3.5 to -5.5	-5.5 to -7.5	-7.5 to -9.5	16.8 to 16	16 to 14	14 to 12	12 to 10	16 to 11	11 to 10
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	96	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	170	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	110	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	200	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	130	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	170	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	ND (33)	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	3.7	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.7)	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.4)	-
Barium	1000	NA	-	-	-	-	-	-	-	-	62	-	47	-	-	-	-	-	-	-	-	-	-	-	-	47	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	1.2	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Chromium	100	NA	-	-	-	-	-	-	-	-	24	-	32	-	-	-	-	-	-	-	-	-	-	-	-	18	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	92	-	21	-	-	-	-	-	-	-	-	-	-	-	-	76	-
Mercury	20	NA	-	-	-	-	-	-	-	-	0.3	-	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	0.33	-
Nickel	600	NA	-	-	-	-	-	-	-	-	21	-	22	-	-	-	-	-	-	-	-	-	-	-	-	13	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	38	-	42	-	-	-	-	-	-	-	-	-	-	-	-	30	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	140	-	57	-	-	-	-	-	-	-	-	-	-	-	-	82	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	0.31	0.12	0.13	ND (0.11)	ND (0.044)	ND (0.051)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	0.3	0.13	0.43	ND (0.11)	0.14	ND (0.051)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	0.36	ND (0.11)	0.087	ND (0.051)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.06)	ND (0.058)	ND (0.051)	ND (0.051)	ND (0.067)	ND (0.068)	ND (0.08)	ND (0.094)	ND (0.044)	ND (0.048)	-	ND (0.051)	ND (0.049)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.061)	ND (0.064)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	0.61	0.25	0.92	ND	0.227	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.6	86.6	91.7	93	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	9.7	-	7.6	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P7	P7	P7	P7	P8	P8	P8	P8	P9	P9	P9	P9	P9
Sample Name			P6_S7_6-16	P6_S3_7-9	P6_S4_9-11	P6_S5_11-13	P6_S6_13-15	P6_S8_15-17	P6_S9_17-19	X6_S9_17-19	P6_S10_19-21	P6_S11_21-23	P6_S12_23-25	P6_S13_25-27	P7_S1_0.0-1.4	P7_S2_1.4-3.4	P7_S3_3.4-5.4	P7_S4_5.4-7.4	P8_S1_0.7-1.7	P8_S2_1.7-3.7	P8_S3_3.7-5.7	P8_S4_5.7-7.7	P9_S1_0.7-3.5	P9_S2_3.8-5.8	P9_S7_3.8-9.5	P9_S3_5.8-7.8	P9_S4_7.8-9.8
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID			138940-28 138940-41 138940-51 139113-4	138940-2	138940-3	138940-4	138940-5	138940-6	138940-7	138940-12	138940-8	138940-9	138940-10	138940-11	15K1069-05	15K1069-06	15K1069-07	15K1069-08	15K1068-07	15K1068-08	15K1068-09	15K1068-10	133973-21 133973-49 133973-56 134179-1	133973-22 133973-22RA1	133973-27 133973-50 133973-57	133973-23	133973-24
Sample Depth (bgs)			6 - 16 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 27 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.7 - 3.5 (ft)	3.8 - 5.8 (ft)	3.8 - 9.5 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)
Sample Elevation (ft BCB)			11 to 1	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 14.3	14 to 12	14 to 8.3	12 to 10	10 to 8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,2-Dichlorobenzene	9	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,3-Dichlorobenzene	3	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Acetone	6	NA	ND (0.24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	ND (0.22)	-	-
Benzene	2	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Chlorobenzene	1	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Ethylbenzene	40	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Isopropylbenzene	1000	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
m,p-Xylenes	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Methylene chloride	0.1	NA	ND (0.059)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.056)	-	ND (0.055)	-	-
Naphthalene	4	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-	ND (0.006)	-	-
n-Propylbenzene	100	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
o-Xylene	NA	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Styrene	3	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Tetrachloroethene	1	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Toluene	30	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
Trichloroethene	0.3	NA	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
1,2-Dichlorobenzene	9	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
1,3-Dichlorobenzene	3	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
2-Chloronaphthalene	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
2-Methylnaphthalene	0.7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
2-Methylphenol	500	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
3&4-Methylphenol	NA	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Acenaphthene	4	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Acenaphthylene	1	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Acetophenone	NA	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Aniline	NA	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Anthracene	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68	-	ND (0.35)	-	-
Benzo(a)anthracene	7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.57	-	-
Benzo(a)pyrene	2	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	0.52	-	-
Benzo(b)fluoranthene	7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	0.68	-	-
Benzo(g,h,i)perylene	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76	-	ND (0.35)	-	-
Benzo(k)fluoranthene	70	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	-	ND (0.35)	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	0.35	-	-
Butyl benzylphthalate	100	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Carbazole	NA	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Chrysene	70	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.66	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Dibenzofuran	100	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Diethyl phthalate	10	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Di-n-butylphthalate	50	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Di-n-octyl phthalate	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Fluoranthene	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1.1	-	-
Fluorene	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.82	-	ND (0.35)	-	-
Isophorone	100	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Naphthalene	4	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	ND (0.35)	-	-
N-Nitrosodiphenylamine	100	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Pentachlorophenol	3	NA	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Phenanthrene	10	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	0.8	-	-
Phenol	1	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-
Pyrene	1000	NA	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	1.1	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.05	-	5.78	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P7	P7	P7	P7	P8	P8	P8	P8	P9	P9	P9	P9	P9
Sample Name			P6_S7_6-16	P6_S3_7-9	P6_S4_9-11	P6_S5_11-13	P6_S6_13-15	P6_S8_15-17	P6_S9_17-19	X6_S9_17-19	P6_S10_19-21	P6_S11_21-23	P6_S12_23-25	P6_S13_25-27	P7_S1_0.0-1.4	P7_S2_1.4-3.4	P7_S3_3.4-5.4	P7_S4_5.4-7.4	P8_S1_0.7-1.7	P8_S2_1.7-3.7	P8_S3_3.7-5.7	P8_S4_5.7-7.7	P9_S1_0.7-3.5	P9_S2_3.8-5.8	P9_S7_3.8-9.5	P9_S3_5.8-7.8	P9_S4_7.8-9.8
Sample Date			01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138940-28 138940-41 138940-51 139113-4	138940-2	138940-3	138940-4	138940-5	138940-6	138940-7	138940-12	138940-8	138940-9	138940-10	138940-11	15K1069-05	15K1069-06	15K1069-07	15K1069-08	15K1068-07	15K1068-08	15K1068-09	15K1068-10	133973-21 133973-49 133973-56 134179-1	133973-22 133973-22RA1	133973-27 133973-50 133973-57	133973-23	133973-24
Sample Depth (bgs)			6 - 16 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 27 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.7 - 3.5 (ft)	3.8 - 5.8 (ft)	3.8 - 9.5 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)
Sample Elevation (ft BCB)			11 to 1	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 14.3	14 to 12	14 to 8.3	12 to 10	10 to 8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	69	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	82	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96	-	51	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	ND (31)	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	1.9	-	-
Arsenic	20	NA	ND (3.7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	11	-	-
Barium	1000	NA	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	64	-	-
Beryllium	90	NA	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)	-	-
Cadmium	70	NA	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	1.2	-	-
Chromium	100	NA	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	25	-	-
Chromium VI (Hexavalent)	100	NA	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	83	-	-
Mercury	20	NA	0.092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42	-	0.52	-	-
Nickel	600	NA	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	23	-	-
Selenium	400	NA	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	ND (5.3)	-	-
Silver	100	NA	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-
Thallium	8	NA	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (5.3)	-	-
Vanadium	400	NA	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	23	-	-
Zinc	1000	NA	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	76	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.35	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.43	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.3	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.13	ND (0.11)	ND (0.11)	0.15	0.69	-	ND (0.052)	ND (0.058)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-	ND (0.052)	ND (0.058)
SUM of PCBs	1	NA	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86	ND	ND	0.5	0.69	-	ND	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	94.4	91.9	85.4	85.5	91.5	89	93.9	89.4	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-
Oxidation reduction potential (mV)	NA	NA	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	6.8	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	ND (1.3)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	ND (1.3)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P9	P9	P9	P9	P9	P9	P9	P9	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P11	P11
Sample Name			P9_S5_9.8-11.8	P9_S6_11.8-13.8	P9_S8_13.8-15.8	P9_S9_15.8-17.8	P9_S10_17.8-19.8	P9_S11_19.8-21.8	P9_S12_21.8-23.5	P9_S13_23.5-23.8	P10_S1_0.9-3.8	P10_S2_4-6	P10_S5_4-8.5	P10_S3_6-8	P10_S4_8-10	P10_S6_10-12	P10_S7_12-14	P10_S8_14-16	P10_S9_16-18	P10_S10_18-20	P10_S11_20-22	P10_S12_22-23.2	P10_S13_23.2-24	P11_S1_4.5-5.7	P11_S2_4.5-5.7
Sample Date			06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	03/04/2015	03/04/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria									134015-41 134015-41RA1 134015-53 134015-63		134015-45 134015-54 134015-64											
Lab Sample ID			133973-25	133973-26	133973-28	133973-29	133973-30	133973-31	133973-32	133973-33	134218-2	134015-23	134218-4	134015-24	134015-25	134015-26	134015-27	134015-28	134015-29	134015-30	134015-31	134015-32	134015-33	15C0124-01 15C0402-01	15C0124-02
Sample Depth (bgs)			9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.5 (ft)	23.5 - 23.8 (ft)	0.9 - 3.8 (ft)	4 - 6 (ft)	4 - 8.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	4.5 - 5.7 (ft)	4.5 - 5.7 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.7	-5.7 to -6	17.1 to 14.2	14 to 12	14 to 9.5	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	14 to 12.8	14 to 12.8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	NEW FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	-	-	-	-	-	-	-	ND (0.069)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.052)	-	ND (0.053)	-	-	-	-	-	-	-	-	-	ND (0.0069)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0069)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	0.66	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	1.3	-	0.81	-	-	-	-	-	-	-	-	-	0.49	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	1.1	-	0.78	-	-	-	-	-	-	-	-	-	0.45	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	1.4	-	0.95	-	-	-	-	-	-	-	-	-	0.55	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	0.53	-	0.52	-	-	-	-	-	-	-	-	-	0.36	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	0.51	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.49	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	1.2	-	0.82	-	-	-	-	-	-	-	-	-	0.56	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.87)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	2.7	-	1.6	-	-	-	-	-	-	-	-	-	1	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	0.69	-	0.54	-	-	-	-	-	-	-	-	-	0.35	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	2.3	-	1.2	-	-	-	-	-	-	-	-	-	0.84	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.44)	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	2.2	-	1.6	-	-	-	-	-	-	-	-	-	0.98	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	14.59	-	8.82	-	-	-	-	-	-	-	-	-	6.07	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P9	P9	P9	P9	P9	P9	P9	P9	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P11	P11
Sample Name			P9_S5_9.8-11.8	P9_S6_11.8-13.8	P9_S8_13.8-15.8	P9_S9_15.8-17.8	P9_S10_17.8-19.8	P9_S11_19.8-21.8	P9_S12_21.8-23.5	P9_S13_23.5-23.8	P10_S1_0.9-3.8	P10_S2_4-6	P10_S5_4-8.5	P10_S3_6-8	P10_S4_8-10	P10_S6_10-12	P10_S7_12-14	P10_S8_14-16	P10_S9_16-18	P10_S10_18-20	P10_S11_20-22	P10_S12_22-23.2	P10_S13_23.2-24	P11_S1_4.5-5.7	P11_S2_4.5-5.7
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	03/04/2015	03/04/2015
Lab Sample ID			133973-25	133973-26	133973-28	133973-29	133973-30	133973-31	133973-32	133973-33	134015-41 134015-41RA1 134015-53 134015-63 134218-2	134015-23	134015-45 134015-54 134015-64 134218-4	134015-24	134015-25	134015-26	134015-27	134015-28	134015-29	134015-30	134015-31	134015-32	134015-33	15C0124-01 15C0402-01	15C0124-02
Sample Depth (bgs)			9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.5 (ft)	23.5 - 23.8 (ft)	0.9 - 3.8 (ft)	4 - 6 (ft)	4 - 8.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	4.5 - 5.7 (ft)	4.5 - 5.7 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.7	-5.7 to -6	17.1 to 14.2	14 to 12	14 to 9.5	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	14 to 12.8	14 to 12.8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	NEW FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	90	-	130	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	110	-	160	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	86	-	63	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	ND (34)	-	ND (40)	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	5.3	-	9.8	-	-	-	-	-	-	-	-	-	4.9	-
Barium	1000	NA	-	-	-	-	-	-	-	-	73	-	110	-	-	-	-	-	-	-	-	-	63	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	1.8	-	2.7	-	-	-	-	-	-	-	-	-	1.1	-
Chromium	100	NA	-	-	-	-	-	-	-	-	23	-	17	-	-	-	-	-	-	-	-	-	10	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	110	-	**220**	-	-	-	-	-	-	-	-	-	**220**	-
Mercury	20	NA	-	-	-	-	-	-	-	-	0.34	-	0.13	-	-	-	-	-	-	-	-	-	0.11	-
Nickel	600	NA	-	-	-	-	-	-	-	-	20	-	16	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (7)	-	ND (8)	-	-	-	-	-	-	-	-	-	ND (6.6)	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (0.66)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.7)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	31	-	26	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	100	-	220	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	ND (0.3)	-	0.8	-	-	-	-	-	-	-	-	-	0.24	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	**1.1**	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	0.17	-	0.14	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	0.29	0.066	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	**1.39**	0.236	-	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
Other																								
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76.8 76.8	83.1
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	8.3	-	5.9	-	-	-	-	-	-	-	-	-	6.6	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P11	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P13	P13	P13	P13	P13	P13	P13	P13	P13	P13	P13
Sample Name			P11_S3_5.7-7.7	P12_S1_0.4-3.2	P12_S2_5-7	P12_S4_5-9	P12_S3_7-9	P12_S5_9-11	P12_S6_11-13	P12_S7_13-15	P12_S8_15-17	P12_S9_17-19	P12_S10_19-21	P12_S11_21-23	P12_S12_23-25	P13_S5_2.2-8.3	P13_S2_4.2-6.2	P13_S3_6.2-8.2	P13_S4_8.2-10.2	P13_S6_10.2-12.2	P13_S7_12.2-14.2	P13_S8_14.2-16.2	P13_S9_16.2-18.2	P13_S10_18.2-20.2	P13_S11_20.2-21.9	P13_S12_22.2-24.2
Sample Date			03/04/2015	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15C0124-03	133618-49 133618-49RA1 133618-59 133618-69	133618-31	133618-50 133618-60 133618-70 133765-4	133618-32	133618-33	133618-34	133618-35	133618-36	133618-37	133618-38	133618-39	133618-40	134155-56 134155-56RA1 134155-74 134155-85 134328-6	134155-53	134155-54	134155-55	134155-57	134155-58	134155-59	134155-60	134155-61	134155-62	134155-63
Sample Depth (bgs)			5.7 - 7.7 (ft)	0.4 - 3.2 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	2.2 - 8.3 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 21.9 (ft)	22.2 - 24.2 (ft)
Sample Elevation (ft BCB)			12.8 to 10.8	17 to 14.2	12.4 to 10.4	12.4 to 8.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	-5.6 to -7.6	16 to 9.9	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.7	-4 to -6
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.005)	-	0.006	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.05)	-	ND (0.051)	-	-	-	-	-	-	-	-	-	ND (0.056)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	0.006	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.47	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.92	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	0.69	-	0.63	-	-	-	-	-	-	-	-	-	**7**	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	0.61	-	1.1	-	-	-	-	-	-	-	-	-	**4.7**	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	0.8	-	0.93	-	-	-	-	-	-	-	-	-	**8**	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	ND (0.36)	-	0.61	-	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.68	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	0.71	-	0.75	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.48	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	1.5	-	0.8	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.47	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.36)	-	0.43	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.68	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	1.3	-	0.65	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	1.3	-	1	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	6.91	-	6.9	-	-	-	-	-	-	-	-	-	79.82	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P11	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P13	P13	P13	P13	P13	P13	P13	P13	P13	P13	P13
Sample Name			P11_S3_5.7-7.7	P12_S1_0.4-3.2	P12_S2_5-7	P12_S4_5-9	P12_S3_7-9	P12_S5_9-11	P12_S6_11-13	P12_S7_13-15	P12_S8_15-17	P12_S9_17-19	P12_S10_19-21	P12_S11_21-23	P12_S12_23-25	P13_S5_2.2-8.3	P13_S2_4.2-6.2	P13_S3_6.2-8.2	P13_S4_8.2-10.2	P13_S6_10.2-12.2	P13_S7_12.2-14.2	P13_S8_14.2-16.2	P13_S9_16.2-18.2	P13_S10_18.2-20.2	P13_S11_20.2-21.9	P13_S12_22.2-24.2
Sample Date			03/04/2015	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15C0124-03	133618-49 133618-49RA1 133618-59 133618-69	133618-31	133618-50 133618-60 133618-70 133765-4	133618-32	133618-33	133618-34	133618-35	133618-36	133618-37	133618-38	133618-39	133618-40	134155-56 134155-56RA1 134155-74 134155-85 134328-6	134155-53	134155-54	134155-55	134155-57	134155-58	134155-59	134155-60	134155-61	134155-62	134155-63
Sample Depth (bgs)			5.7 - 7.7 (ft)	0.4 - 3.2 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	2.2 - 8.3 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 21.9 (ft)	22.2 - 24.2 (ft)
Sample Elevation (ft BCB)			12.8 to 10.8	17 to 14.2	12.4 to 10.4	12.4 to 8.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	-5.6 to -7.6	16 to 9.9	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.7	-4 to -6
Soil Description			FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	51	-	64	-	-	-	-	-	-	-	-	-	980	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	59	-	72	-	-	-	-	-	-	-	-	-	1100	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	52	-	38	-	-	-	-	-	-	-	-	-	1100	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (34)	-	ND (36)	-	-	-	-	-	-	-	-	-	820	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	3.1	-	ND (1.2)	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	**24**	-	ND (3.7)	-	-	-	-	-	-	-	-	-	ND (3.4)	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	120	-	45	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.34)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	1.3	-	2	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	30	-	10	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	79	-	**210**	-	-	-	-	-	-	-	-	-	**370**	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	0.11	-	0.21	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	23	-	9.9	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (5.7)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	ND (5.7)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	34	-	19	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	55	-	97	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	1.6	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.12)	**1.8**	ND (0.04)	0.056	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	**1.6**	0.17	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	0.69	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.12)	0.4	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	**1.8**	0.79	0.068	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.12)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)
SUM of PCBs	1	NA	ND	**2.2**	ND	0.056	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	**2.49**	**2.39**	0.238	ND	ND	ND	ND	ND	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	83.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7	-	6.7	-	-	-	-	-	-	-	-	-	8.4	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.1)	-	2	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14A	P14A	P14A	P15	P15	P15	P15	P15	P15	P15	P15
Sample Name			P14_S4_3.6-7.3	P14_S2_4.3-6.3	P14_S3_6.3-8.3	P14_S5_8.3-10.3	P14_S6_10.3-12.3	P14_S7_12.3-14.3	P14_S8_16.3-18.3	P14_S9_18.3-20.3	P14_S10_20.3-22.3	P14_S11_20.3-22.3	P14_S12_22.3-23	P14_S13_23-24.3	P14a_S2_4-8	P14a_S2_4.4-5.4	P14a_S3_8-13	P15_S11_3.7-8.4	P15_S2_4.4-8.4	P15_S3_8.4-10.4	P15_S4_10.4-12.4	P15_S5_12.4-14.4	P15_S6_14.4-16.4	P15_S7_16.4-18.4	P15_S8_18.4-20.4
Sample Date			06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/05/2011	01/05/2011	01/05/2011	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134155-42 134155-42RA1 134155-72 134155-83 134328-5	134155-40	134155-41	134155-43	134155-44	134155-45	134155-46	134155-47	134155-48	134155-49	134155-50	134155-51	138980-26 138980-32 138980-36 139157-2	138980-18	138980-27 138980-33 138980-37 139157-7	134117-50 134117-55 134117-64 134331-5 134331-8	134117-11 134117-11RA1	134117-12	134117-13	134117-14	134117-15	134117-16	134117-17
Sample Depth (bgs)			3.6 - 7.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	20.3 - 22.3 (ft)	22.3 - 23 (ft)	23 - 24.3 (ft)	4 - 8 (ft)	4.4 - 5.4 (ft)	8 - 13 (ft)	3.7 - 8.4 (ft)	4.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)
Sample Elevation (ft BCB)			14.7 to 11	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-4 to -4.7	-4 to -4.7	-4.7 to -6	14.4 to 10.4	14 to 13	10.4 to 5.4	14.7 to 10	14 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Soil Description			FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Acetone	6	NA	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.3)	ND (0.24)	-	-	-	-	-	-	-
Benzene	2	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Chlorobenzene	1	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Ethylbenzene	40	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	0.01	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	0.006	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.076)	ND (0.059)	-	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	0.0089	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
o-Xylene	NA	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Styrene	3	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	0.007	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Toluene	30	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.0076)	ND (0.006)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	-	-	-	-	-	-	-	-	-	0.0089	-	ND	0.023	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	**ND (2)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	**ND (2)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	**ND (2)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	**ND (2)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	**2.9**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
2-Methylphenol	500	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Acenaphthene	4	NA	**10**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Acenaphthylene	1	NA	**2.2**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
Acetophenone	NA	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Aniline	NA	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Anthracene	1000	NA	19	-	-	-	-	-	-	-	-	-	-	-	0.51	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	**25**	-	-	-	-	-	-	-	-	-	-	-	0.82	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	**20**	-	-	-	-	-	-	-	-	-	-	-	0.71	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	**27**	-	-	-	-	-	-	-	-	-	-	-	0.97	-	ND (0.43)	1.9	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	3.5	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	11	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Carbazole	NA	NA	7.7	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Chrysene	70	NA	23	-	-	-	-	-	-	-	-	-	-	-	0.82	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	**ND (2)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
Dibenzofuran	100	NA	5.8	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Fluoranthene	1000	NA	57	-	-	-	-	-	-	-	-	-	-	-	2.2	-	ND (0.43)	3.3	-	-	-	-	-	-	-
Fluorene	1000	NA	11	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	4.5	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Isophorone	100	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Naphthalene	4	NA	3.6	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (1.7)	ND (1.9)	-	-	-	-	-	-	-
Phenanthrene	10	NA	**71**	-	-	-	-	-	-	-	-	-	-	-	1.6	-	ND (0.43)	ND (1.9)	-	-	-	-	-	-	-
Phenol	1	NA	**ND (2)**	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.43)	**ND (1.9)**	-	-	-	-	-	-	-
Pyrene	1000	NA	42	-	-	-	-	-	-	-	-	-	-	-	1.6	-	ND (0.43)	2.4	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	346.2	-	-	-	-	-	-	-	-	-	-	-	9.23	-	ND	7.6	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14A	P14A	P14A	P15	P15	P15	P15	P15	P15	P15	P15
Sample Name			P14_S4_3.6-7.3	P14_S2_4.3-6.3	P14_S3_6.3-8.3	P14_S5_8.3-10.3	P14_S6_10.3-12.3	P14_S7_12.3-14.3	P14_S8_16.3-18.3	P14_S9_18.3-20.3	P14_S10_20.3-22.3	P14_S11_20.3-22.3	P14_S12_22.3-23	P14_S13_23-24.3	P14a_S2_4-8	P14a_S2_4.4-5.4	P14a_S3_8-13	P15_S11_3.7-8.4	P15_S2_4.4-8.4	P15_S3_8.4-10.4	P15_S4_10.4-12.4	P15_S5_12.4-14.4	P15_S6_14.4-16.4	P15_S7_16.4-18.4	P15_S8_18.4-20.4
Sample Date			06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/05/2011	01/05/2011	01/05/2011	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134155-42 134155-42RA1 134155-72 134155-83 134328-5	134155-40	134155-41	134155-43	134155-44	134155-45	134155-46	134155-47	134155-48	134155-49	134155-50	134155-51	138980-26 138980-32 138980-36 139157-2	138980-18	138980-27 138980-33 138980-37 139157-7	134117-50 134117-55 134117-64 134331-5 134331-8	134117-11 134117-11RA1	134117-12	134117-13	134117-14	134117-15	134117-16	134117-17
Sample Depth (bgs)			3.6 - 7.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	20.3 - 22.3 (ft)	22.3 - 23 (ft)	23 - 24.3 (ft)	4 - 8 (ft)	4.4 - 5.4 (ft)	8 - 13 (ft)	3.7 - 8.4 (ft)	4.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)
Sample Elevation (ft BCB)			14.7 to 11	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-2 to -4	-4 to -4.7	-4.7 to -6	14.4 to 10.4	14 to 13	10.4 to 5.4	14.7 to 10	14 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Soil Description			FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	250	-	-	-	-	-	-	-	-	-	-	-	130	-	ND (27)	**1400**	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	340	-	-	-	-	-	-	-	-	-	-	-	150	-	ND (27)	1400	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	49	-	-	-	-	-	-	-	-	-	-	-	75	-	ND (27)	1800	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (36)	-	-	-	-	-	-	-	-	-	-	-	ND (25)	-	ND (27)	**1900**	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	1.4	-	-	-	-	-	-	-	-	-	-	-	4.8	-	4.1	6.4	-	-	-	-	-	-	-
Arsenic	20	NA	6.3	-	-	-	-	-	-	-	-	-	-	-	7.6	-	ND (4.2)	6.6	-	-	-	-	-	-	-
Barium	1000	NA	130	-	-	-	-	-	-	-	-	-	-	-	150	-	69	120	-	-	-	-	-	-	-
Beryllium	90	NA	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.42)	ND (0.36)	-	-	-	-	-	-	-
Cadmium	70	NA	2.4	-	-	-	-	-	-	-	-	-	-	-	3.2	-	1.4	5.2	-	-	-	-	-	-	-
Chromium	100	NA	22	-	-	-	-	-	-	-	-	-	-	-	19	-	36	37	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)	-	-	-	-	-	-	-
Lead	200	NA	**270**	-	-	-	-	-	-	-	-	-	-	-	**990**	-	33	**1000**	-	-	-	-	-	-	-
Mercury	20	NA	1.2	-	-	-	-	-	-	-	-	-	-	-	3.1	-	0.079	1.1	-	-	-	-	-	-	-
Nickel	600	NA	18	-	-	-	-	-	-	-	-	-	-	-	43	-	25	22	-	-	-	-	-	-	-
Selenium	400	NA	7.6	-	-	-	-	-	-	-	-	-	-	-	ND (6.7)	-	ND (7)	ND (6)	-	-	-	-	-	-	-
Silver	100	NA	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.4)	ND (1.2)	-	-	-	-	-	-	-
Thallium	8	NA	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-	ND (6.7)	-	ND (7)	ND (6)	-	-	-	-	-	-	-
Vanadium	400	NA	23	-	-	-	-	-	-	-	-	-	-	-	41	-	54	40	-	-	-	-	-	-	-
Zinc	1000	NA	340	-	-	-	-	-	-	-	-	-	-	-	570	-	64	250	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.5	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	4.5	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	0.5	-	-	**1.1**	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	0.36	-	-	0.72	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	-	ND (0.05)	-	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)
SUM of PCBs	1	NA	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	0.86	-	-	**1.82**	ND	ND	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430	510	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7.4	-	-	-	-	-	-	-	-	-	-	-	6.9	-	7	7.4	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	7.3	-	ND (1.7)	ND (1.4)	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	7.4	-	ND (1.7)	ND (1.4)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (1.7)	5.1	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	3.4	-	ND (1.7)	2.8	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	4.3	-	ND (1.7)	8.3	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P15	P15	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17
Sample Name			P15_S9_20.4-22.4	P15_S10_22.4-24.4	P16_S1_0.6-6.6	P16_S2_6.6-8.6	P16_S7_6.6-16.6	P16_S3_8.6-10.6	P16_S4_10.6-12.6	P16_S5_12.6-14.6	P16_S6_14.6-16.6	P16_S8_16.6-18.6	P16_S9_18.6-20.6	P16_S10_20.6-22.6	P17_S2_2.6-4.6	P17_S4_2.6-6.6	P17_S3_4.6-6.6	P17_S5_6.6-8.6	P17_S6_8.6-10.6	P17_S7_10.6-12.6	P17_S8_12.6-14.6	P17_S9_14.6-16.6	P17_S10_16.6-18.6	P17_S11_18.6-20.6	P17_S12_20.6-22.6
Sample Date			06/18/2010	06/18/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																						
Lab Sample ID			134117-18	134117-19	134015-40 134015-52 134015-62	134015-22	134015-43 134015-50 134015-60 134218-6	134015-9	134015-10	134015-11	134015-12	134015-13	134015-14	134015-15	134530-27	134530-29 134530-52 134530-60	134530-28	134530-30	134530-31	134530-32	134530-33	134530-34	134530-35	134530-36	134530-37
Sample Depth (bgs)			20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	0.6 - 6.6 (ft)	6.6 - 8.6 (ft)	6.6 - 16.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	2.6 - 4.6 (ft)	2.6 - 6.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)
Sample Elevation (ft BCB)			-2 to -4	-4 to -6	18 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (0.26)	-	ND (0.32)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	0.018	-	0.012	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.065)	-	ND (0.079)	-	-	-	-	-	-	-	-	**ND (0.11)**	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.006)	-	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	0.018	-	0.012	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	0.35	-	ND (0.42)	-	-	-	-	-	-	-	-	0.71	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	0.61	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	0.64	-	ND (0.42)	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.69)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	0.59	-	ND (0.42)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	0.55	-	ND (0.42)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	2.13	-	ND	-	-	-	-	-	-	-	-	5.68	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P15	P15	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17
Sample Name			P15_S9_20.4-22.4	P15_S10_22.4-24.4	P16_S1_0.6-6.6	P16_S2_6.6-8.6	P16_S7_6.6-16.6	P16_S3_8.6-10.6	P16_S4_10.6-12.6	P16_S5_12.6-14.6	P16_S6_14.6-16.6	P16_S8_16.6-18.6	P16_S9_18.6-20.6	P16_S10_20.6-22.6	P17_S2_2.6-4.6	P17_S4_2.6-6.6	P17_S3_4.6-6.6	P17_S5_6.6-8.6	P17_S6_8.6-10.6	P17_S7_10.6-12.6	P17_S8_12.6-14.6	P17_S9_14.6-16.6	P17_S10_16.6-18.6	P17_S11_18.6-20.6	P17_S12_20.6-22.6
Sample Date			06/18/2010	06/18/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																						
Lab Sample ID			134117-18	134117-19	134015-40 134015-52 134015-62	134015-22	134015-43 134015-50 134015-60 134218-6	134015-9	134015-10	134015-11	134015-12	134015-13	134015-14	134015-15	134530-27	134530-29 134530-52 134530-60	134530-28	134530-30	134530-31	134530-32	134530-33	134530-34	134530-35	134530-36	134530-37
Sample Depth (bgs)			20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	0.6 - 6.6 (ft)	6.6 - 8.6 (ft)	6.6 - 16.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	2.6 - 4.6 (ft)	2.6 - 6.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)
Sample Elevation (ft BCB)			-2 to -4	-4 to -6	18 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Soil Description			HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	71	-	ND (39)	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	78	-	ND (39)	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	63	-	ND (39)	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (30)	-	ND (39)	-	-	-	-	-	-	-	-	ND (30)	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	-	1.3	-	1.4	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	ND (3)	-	ND (4)	-	-	-	-	-	-	-	-	ND (3.1)	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	37	-	56	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	ND (0.3)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.31)	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	1.2	-	1.5	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	15	-	32	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	75	-	26	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	0.054	-	0.15	-	-	-	-	-	-	-	-	0.15	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	19	-	20	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	ND (5)	-	ND (6.7)	-	-	-	-	-	-	-	-	ND (5.1)	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	ND (1)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	ND (5)	-	ND (6.7)	-	-	-	-	-	-	-	-	ND (5.1)	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	22	-	38	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	83	-	57	-	-	-	-	-	-	-	-	62	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.062)	ND (0.091)	0.41	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	0.093	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.062)	ND (0.091)	0.2	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
SUM of PCBs	1	NA	ND	ND	0.61	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	-	0.093	ND	ND	ND	ND	ND	ND	ND	ND
Other																								
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	7.7	-	7.4	-	-	-	-	-	-	-	-	7.6	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3
Sample Name			P18_S1_0.5-2.5	P18_S2_2.5-4.5	P18_S7_2.5-12.5	P18_S3_4.5-6.5	P18_S4_6.5-8.5	P18_S5_8.5-10.5	P18_S6_10.5-12.5	P18_S8_12.5-14.5	P18_S9_14.5-16.5	P18_S10_16.5-18.5	P18_S11_18.5-20.5	P18_S12_20.5-22.5	Q3_S1_0.5-5	Q3_S2_5-7	Q3_S7_5-13	Q3_S3_7-9	Q3_S4_9-11	Q3_S5_11-13	Q3_S6_13-15	Q3_S8_15-17	Q3_S9_17-19	Q3_S10_19-21	Q3_S11_21-23	Q3_S12_23-24	Q3_S13_24-25
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134053-51 134053-60 134053-69	134053-1	134053-56 134053-61 134053-70	134053-2	134053-3	134053-4	134053-5	134053-6	134053-7	134053-8	134053-9	134053-10	134530-13 134530-49 134530-57 134713-3	134530-14	134530-19 134530-50 134530-58 134713-4	134530-15	134530-16	134530-17	134530-18	134530-20	134530-21	134530-22	134530-23	134530-24	134530-25
Sample Depth (bgs)			0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	2.5 - 12.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	0.5 - 5 (ft)	5 - 7 (ft)	5 - 13 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 24 (ft)	24 - 25 (ft)
Sample Elevation (ft BCB)			18 to 16	16 to 14	16 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.5 to 10	10 to 8	10 to 2	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -9	-9 to -10
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Acetone	6	NA	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Benzene	2	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	ND (0.087)	-	ND (0.085)	-	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.089)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Styrene	3	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Toluene	30	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.009)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	0.65	-	0.65	-	-	-	-	-	-	-	-	-	0.65	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	1.7	-	0.77	-	-	-	-	-	-	-	-	-	1.4	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	1.5	-	0.68	-	-	-	-	-	-	-	-	-	1.2	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	1.9	-	0.78	-	-	-	-	-	-	-	-	-	1.4	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	0.97	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.86	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	0.74	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.53	-	ND (0.43)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.72	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	1.6	-	0.71	-	-	-	-	-	-	-	-	-	1.4	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	3.4	-	2	-	-	-	-	-	-	-	-	-	2.8	-	0.44	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	1.1	-	0.44	-	-	-	-	-	-	-	-	-	0.93	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	-	ND (0.88)	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	2.4	-	2.1	-	-	-	-	-	-	-	-	-	1.7	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Phenol	1	NA	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	3	-	1.7	-	-	-	-	-	-	-	-	-	2.7	-	ND (0.43)	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	18.96	-	9.83	-	-	-	-	-	-	-	-	-	15.57	-	1.16	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3	Q3
Sample Name			P18_S1_0.5-2.5	P18_S2_2.5-4.5	P18_S7_2.5-12.5	P18_S3_4.5-6.5	P18_S4_6.5-8.5	P18_S5_8.5-10.5	P18_S6_10.5-12.5	P18_S8_12.5-14.5	P18_S9_14.5-16.5	P18_S10_16.5-18.5	P18_S11_18.5-20.5	P18_S12_20.5-22.5	Q3_S1_0.5-5	Q3_S2_5-7	Q3_S7_5-13	Q3_S3_7-9	Q3_S4_9-11	Q3_S5_11-13	Q3_S6_13-15	Q3_S8_15-17	Q3_S9_17-19	Q3_S10_19-21	Q3_S11_21-23	Q3_S12_23-24	Q3_S13_24-25
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134053-51 134053-60 134053-69	134053-1	134053-56 134053-61 134053-70	134053-2	134053-3	134053-4	134053-5	134053-6	134053-7	134053-8	134053-9	134053-10	134530-13 134530-49 134530-57 134713-3	134530-14	134530-19 134530-50 134530-58 134713-4	134530-15	134530-16	134530-17	134530-18	134530-20	134530-21	134530-22	134530-23	134530-24	134530-25
Sample Depth (bgs)			0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	2.5 - 12.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	0.5 - 5 (ft)	5 - 7 (ft)	5 - 13 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 24 (ft)	24 - 25 (ft)
Sample Elevation (ft BCB)			18 to 16	16 to 14	16 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.5 to 10	10 to 8	10 to 2	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -9	-9 to -10
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	130	-	97	-	-	-	-	-	-	-	-	-	91	-	60	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	170	-	130	-	-	-	-	-	-	-	-	-	100	-	63	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	83	-	58	-	-	-	-	-	-	-	-	-	77	-	53	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (36)	-	ND (39)	-	-	-	-	-	-	-	-	-	ND (33)	-	ND (40)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	ND (3.6)	-	ND (4)	-	-	-	-	-	-	-	-	-	ND (3.3)	-	16	-	-	-	-	-	-	-	-	-
Barium	1000	NA	96	-	53	-	-	-	-	-	-	-	-	-	66	-	340	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.39)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	1.1	-	1.4	-	-	-	-	-	-	-	-	-	1.2	-	2.1	-	-	-	-	-	-	-	-	-
Chromium	100	NA	16	-	29	-	-	-	-	-	-	-	-	-	12	-	19	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	54	-	24	-	-	-	-	-	-	-	-	-	**590**	-	**920**	-	-	-	-	-	-	-	-	-
Mercury	20	NA	0.29	-	0.25	-	-	-	-	-	-	-	-	-	1.6	-	7.3	-	-	-	-	-	-	-	-	-
Nickel	600	NA	17	-	19	-	-	-	-	-	-	-	-	-	10	-	19	-	-	-	-	-	-	-	-	-
Selenium	400	NA	ND (5.9)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.5)	-	-	-	-	-	-	-	-	-
Silver	100	NA	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	ND (5.9)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.5)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	22	-	37	-	-	-	-	-	-	-	-	-	13	-	13	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	72	-	250	-	-	-	-	-	-	-	-	-	180	-	190	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	4.1	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1254 (PCB-1254)	1	NA	0.22	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1260 (PCB-1260)	1	NA	0.11	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.045)	ND (0.074)	-	ND (0.065)	ND (0.066)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.065)	ND (0.064)	ND (0.074)	ND (0.057)	ND (0.086)
SUM of PCBs	1	NA	0.33	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (50)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	10	-	7.5	-	-	-	-	-	-	-	-	-	7.9	-	7.4	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.9)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (2.4)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.9)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (2.4)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	6.6	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (2.4)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	6.8	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (2.4)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	14	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	2.8	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q5	Q5	Q5	Q5	Q5	Q5	Q6	Q6	Q6	Q6	Q7	Q7	Q7	Q7
Sample Name			Q4_S1_0.4-7.0	Q4_S2_7-8	Q4_S8_7-17	Q4_S3_8-10	Q4_S4_10-12	Q4_S5_12-14	Q4_S6_14-16	Q4_S7_16-18	Q4_S9_18-20	Q4_S10_20-22	Q4_S11_22-24	Q4_S12_24-26		Q5_S1_0.4-4.4	Q5_S3_0.4-2.4	Q5_S4_2.4-4.4	Q5_S5_4.4-6.4	Q5_S6_4.4-6.4	Q6_S1_0.0-0.6'	Q6_S2_0.6-2.6'	Q6_S3_2.6-4.6'	Q6_S4_4.6-6.6'	Q7_S1_0.7-4.9	Q7_S3_0.9-2.9	Q7_S4_2.9-4.9	Q7_S2_4.9-6.9
Sample Date			06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010		02/03/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133766-54 133766-59 133766-68	133766-17	133766-49 133766-60 133766-69 134055-6	133766-18	133766-19	133766-20	133766-21	133766-22	133766-23	133766-24	133766-15	133766-16		15B0053-01	15B0053-03	15B0053-04	15B0053-02 15B0196-01RE2	15B0053-05	15K0837-05	15K0837-06	15K0837-07	15K0837-08	15B0054-01	15B0054-03	15B0054-04	15B0054-02
Sample Depth (bgs)			0.4 - 7 (ft)	7 - 8 (ft)	7 - 17 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)		0.4 - 4.4 (ft)	0.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)
Sample Elevation (ft BCB)			14.8 to 8.2	8.2 to 7.2	8.2 to -1.8	7.2 to 5.2	5.2 to 3.2	3.2 to 1.2	1.2 to -0.8	-0.8 to -2.8	-2.8 to -4.8	-4.8 to -6.8	-6.8 to -8.8	-8.8 to -10.8		16 to 12	16 to 14	14 to 12	12 to 10	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS		FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																													
1,2,3-Trichlorobenzene	NA	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0025)	-	-	ND (0.0031)	-	-	-	-	-	ND (0.0042)	-	-	ND (0.0022)
1,2,4-Trichlorobenzene	2	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0025)	-	-	ND (0.0031)	-	-	-	-	-	ND (0.0042)	-	-	ND (0.0022)
1,2,4-Trimethylbenzene	1000	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	0.0027	-	-	ND (0.0011)
1,2-Dichlorobenzene	9	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
1,3,5-Trichlorobenzene	NA	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
1,3-Dichlorobenzene	3	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
1,4-Dichlorobenzene	0.7	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Acetone	6	NA	ND (0.33)	-	ND (0.28)	-	-	-	-	-	-	-	-	-		ND (0.063)	-	-	ND (0.077)	-	-	-	-	-	ND (0.11)	-	-	ND (0.055)
Benzene	2	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Chlorobenzene	1	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Chloroform (Trichloromethane)	0.2	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0025)	-	-	ND (0.0031)	-	-	-	-	-	ND (0.0042)	-	-	ND (0.0022)
Cymene (p-Isopropyltoluene)	100	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Ethylbenzene	40	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Isopropylbenzene	1000	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
m,p-Xylenes	NA	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0025)	-	-	ND (0.0031)	-	-	-	-	-	ND (0.0042)	-	-	ND (0.0022)
Methyl Tert Butyl Ether	0.1	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0025)	-	-	ND (0.0031)	-	-	-	-	-	ND (0.0042)	-	-	ND (0.0022)
Methylene chloride	0.1	NA	ND (0.082)	-	ND (0.071)	-	-	-	-	-	-	-	-	-		ND (0.0063)	-	-	ND (0.0077)	-	-	-	-	-	ND (0.011)	-	-	ND (0.0055)
Naphthalene	4	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0063)	-	-	ND (0.0077)	-	-	-	-	-	ND (0.011)	-	-	ND (0.0055)
n-Propylbenzene	100	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0042)	-	-	ND (0.0022)
o-Xylene	NA	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Styrene	3	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Tetrachloroethene	1	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Toluene	30	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
Trichloroethene	0.3	NA	ND (0.008)	-	ND (0.007)	-	-	-	-	-	-	-	-	-		ND (0.0013)	-	-	ND (0.0015)	-	-	-	-	-	ND (0.0021)	-	-	ND (0.0011)
SUM of Volatile Organic Compounds	NA	NA	ND	-	ND	-	-	-	-	-	-	-	-	-		ND	-	-	ND	-	-	-	-	-	0.0027	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																													
1,2,4-Trichlorobenzene	2	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
1,2-Dichlorobenzene	9	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
1,3-Dichlorobenzene	3	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
1,4-Dichlorobenzene	0.7	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
2,4-Dimethylphenol	0.7	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
2,4-Dinitrotoluene	0.7	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
2,6-Dinitrotoluene	NA	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.54	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
2-Chloronaphthalene	1000	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
2-Methylnaphthalene	0.7	NA	0.54	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	0.58	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)
2-Methylphenol	500	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
3&4-Methylphenol	NA	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Acenaphthene	4	NA	0.59	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	ND (0.21)	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)
Acenaphthylene	1	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	ND (0.21)	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)
Acetophenone	NA	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Aniline	NA	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Anthracene	1000	NA	1.9	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.44	-	-	0.26	-	-	-	-	-	0.3	-	-	ND (0.19)
Benzo(a)anthracene	7	NA	2.8	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.38	-	-	0.68	-	-	-	-	-	0.55	-	-	ND (0.19)
Benzo(a)pyrene	2	NA	**2.1**	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.34	-	-	0.66	-	-	-	-	-	0.46	-	-	ND (0.19)
Benzo(b)fluoranthene	7	NA	3	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	1.1	-	-	-	-	-	0.57	-	-	ND (0.19)
Benzo(g,h,i)perylene	1000	NA	0.71	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.21	-	-	0.37	-	-	-	-	-	0.21	-	-	ND (0.19)
Benzo(k)fluoranthene	70	NA	1.1	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.54	-	-	0.39	-	-	-	-	-	0.31	-	-	ND (0.19)
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Butyl benzylphthalate	100	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Carbazole	NA	NA	0.37	-	ND (0.4)	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	2.8	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.41	-	-	0.83	-	-	-	-	-	0.56	-	-	ND (0.19)
Dibenz(a,h)anthracene	0.7	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	ND (0.21)	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)
Dibenzofuran	100	NA	0.86	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Diethyl phthalate	10	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Di-n-butylphthalate	50	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Di-n-octyl phthalate	1000	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.71)	-	-	ND (0.84)	-	-	-	-	-	ND (0.7)	-	-	ND (0.75)
Fluoranthene	1000	NA	6.4	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.71	-	-	1.1	-	-	-	-	-	1.1	-	-	0.26
Fluorene	1000	NA	1.2	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	ND (0.21)	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)
Indeno(1,2,3-cd)pyrene	7	NA	1	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.19	-	-	0.4	-	-	-	-	-	0.18	-	-	ND (0.19)
Isophorone	100	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Naphthalene	4	NA	0.76	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.18)	-	-	0.52	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)
N-Nitrosodiphenylamine	100	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Phenanthrene	10	NA	7.3	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.44	-	-	0.76	-	-	-	-	-	1	-	-	0.22
Phenol	1	NA	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-		ND (0.36)	-	-	ND (0.43)	-	-	-	-	-	ND (0.36)	-	-	ND (0.38)
Pyrene	1000	NA	5.3	-	ND (0.4)	-	-	-	-	-	-	-	-	-		0.66	-	-	0.99	-	-	-	-	-	0.96	-	-	0.28
SUM of Semi-Volatile Organic Compounds	NA	NA	38.73	-	ND	-	-	-	-	-	-	-	-	-		4.86	-	-	8.64	-	-	-	-	-	6.2	-	-	0.76

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q4	Q5	Q5	Q5	Q5	Q5	Q6	Q6	Q6	Q6	Q7	Q7	Q7	Q7
Sample Name			Q4_S1_0.4-7.0	Q4_S2_7-8	Q4_S8_7-17	Q4_S3_8-10	Q4_S4_10-12	Q4_S5_12-14	Q4_S6_14-16	Q4_S7_16-18	Q4_S9_18-20	Q4_S10_20-22	Q4_S11_22-24	Q4_S12_24-26	Q5_S1_0.4-4.4	Q5_S3_0.4-2.4	Q5_S4_2.4-4.4	Q5_S2_4.4-6.4	Q5_S5_4.4-6.4	Q6_S1_0.0-0.6'	Q6_S2_0.6-2.6'	Q6_S3_2.6-4.6'	Q6_S4_4.6-6.6'	Q7_S1_0.7-4.9	Q7_S3_0.9-2.9	Q7_S4_2.9-4.9	Q7_S2_4.9-6.9
Sample Date			06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	02/03/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			133766-54 133766-59 133766-68	133766-17	133766-49 133766-60 133766-69 134055-6	133766-18	133766-19	133766-20	133766-21	133766-22	133766-23	133766-24	133766-15	133766-16	15B0053-01	15B0053-03	15B0053-04	15B0053-02 15B0196-01RE2	15B0053-05	15K0837-05	15K0837-06	15K0837-07	15K0837-08	15B0054-01	15B0054-03	15B0054-04	15B0054-02
Sample Depth (bgs)			0.4 - 7 (ft)	7 - 8 (ft)	7 - 17 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)
Sample Elevation (ft BCB)			14.8 to 8.2	8.2 to 7.2	8.2 to -1.8	7.2 to 5.2	5.2 to 3.2	3.2 to 1.2	1.2 to -0.8	-0.8 to -2.8	-2.8 to -4.8	-4.8 to -6.8	-6.8 to -8.8	-8.8 to -10.8	16 to 12	16 to 14	14 to 12	12 to 10	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	800	-	-	740	-	-	-	-	-	670	-	-	200
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	92	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	120	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	70	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (32)	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	3.1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	ND (3.3)	-	ND (3.8)	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	ND (3.4)	-	-	-	-	-	4.4	-	-	ND (3)
Barium	1000	NA	100	-	75	-	-	-	-	-	-	-	-	-	33	-	-	80	-	-	-	-	-	31	-	-	29
Beryllium	90	NA	ND (0.33)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	1.4	-	1.4	-	-	-	-	-	-	-	-	-	ND (0.25)	-	-	0.56	-	-	-	-	-	ND (0.26)	-	-	ND (0.3)
Chromium	100	NA	20	-	43	-	-	-	-	-	-	-	-	-	12	-	-	21	-	-	-	-	-	13	-	-	13
Chromium VI (Hexavalent)	100	NA	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	79	-	21	-	-	-	-	-	-	-	-	-	34	-	-	150	-	-	-	-	-	35	-	-	41
Mercury	20	NA	0.68	-	0.022	-	-	-	-	-	-	-	-	-	0.061	-	-	0.12	-	-	-	-	-	0.06	-	-	0.051
Nickel	600	NA	18	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	5.6	-	ND (6.4)	-	-	-	-	-	-	-	-	-	ND (4.9)	-	-	ND (6.9)	-	-	-	-	-	ND (5.2)	-	-	ND (6.1)
Silver	100	NA	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (0.49)	-	-	ND (0.69)	-	-	-	-	-	ND (0.52)	-	-	ND (0.61)
Thallium	8	NA	ND (5.5)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	38	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	110	-	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	0.17	ND (0.1)	0.13	ND (0.11)	ND (0.11)	-	ND (0.1)	0.12	-
Aroclor-1254 (PCB-1254)	1	NA	0.077	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	0.17	-	0.48	ND (0.1)	0.21	0.17	0.12	-	ND (0.1)	0.19	-
Aroclor-1260 (PCB-1260)	1	NA	0.059	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	0.23	-	0.45	ND (0.1)	0.12	ND (0.11)	ND (0.11)	-	ND (0.1)	0.15	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.043)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-
SUM of PCBs	1	NA	0.136	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	0.4	-	**1.1**	ND	0.46	0.17	0.12	-	ND	0.46	-
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	94.8	92.5	85.8	79.4	79.4	94.8	92.5	94.4	91.7	94.4	94.3	87.1	88.7
Ignitability (Deg F)	NA	NA	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (4)	-	-	-	-	-	ND (4)	-	-	ND (4)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	-	-	-	ND (20)	-	-	ND (20)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	93	-	-	77	-	-	-	-	-	79	-	-	93
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	-	-	-	NI	-	-	NI
pH Corrosivity (pH units)	NA	NA	7.9	-	8.3	-	-	-	-	-	-	-	-	-	9.2	-	-	7.1	-	-	-	-	-	10	-	-	8.3
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.8)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.8)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.8)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.8)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.8)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q7	Q8	Q8	Q8	Q8	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q10	Q10	Q10	Q10	Q10	Q10	Q10
Sample Name			Q7_SS_4.9-6.9	Q8_S1_0.0-1.3	Q8_S2_1.3-3.3	Q8_S3_3.3-5.3	Q8_S4_5.3-7.3	Q9_S1_0.7-1.3	Q9_S2_1.4-3.4	Q9_S6_1.5-8.8	Q9_S3_3.4-5.4	Q9_S4_5.4-7.4	Q9_S5_7.4-9.4	Q9_S7_9.4-11.4	Q9_S8_11.4-13.4	Q9_S9_13.4-15.4	Q9_S10_15.4-17.4	Q9_S11_17.4-19.4	Q9_S12_19.4-21.9	Q9_S13_21.9-23.4	Q10_S1_1-3	Q10_S2_3.5-4.5	Q10_S5_3.5-9.3	Q10_S3_5.5-7.5	Q10_S4_7.5-9.5	Q10_S6_9.5-11.5	Q10_S7_11.5-13.5
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	02/03/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010
Lab Sample ID			15B0054-05	15K1068-13	15K1068-14	15K1068-15	15K1068-16	133923-56 133923-71 133923-83	133923-57	133923-61 133923-72 133923-84 134174-3	133923-58	133923-59	133923-60	133973-14	133973-15	133973-16	133973-17	133973-18	133973-19	133973-20	134015-42 134015-42RA1 134015-55 134015-65	134015-34	134015-46 134015-56 134015-66	134015-35	134015-36	134053-33	134053-34
Sample Depth (bgs)			4.9 - 6.9 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.7 - 1.3 (ft)	1.4 - 3.4 (ft)	1.5 - 8.8 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.9 (ft)	21.9 - 23.4 (ft)	1 - 3 (ft)	3.5 - 4.5 (ft)	3.5 - 9.3 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)
Sample Elevation (ft BCB)			12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10	16.7 to 16.1	16 to 14	15.9 to 8.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4.5	-4.5 to -6	16.6 to 14.6	14.1 to 13.1	14.1 to 8.3	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	ORGANIC DEPOSITS	NEW FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Acetone	6	NA	-	-	-	-	-	ND (0.2)	-	ND (0.23)	-	-	-	-	-	-	-	-	-	-	ND (0.26)	-	ND (0.2)	-	-	-	-
Benzene	2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.05)	-	ND (0.057)	-	-	-	-	-	-	-	-	-	-	ND (0.065)	-	ND (0.05)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Styrene	3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Toluene	30	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	0.91	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	0.74	-	ND (0.35)	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	0.88	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	0.71	-	ND (0.35)	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	1.2	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	0.89	-	ND (0.35)	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	0.5	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (0.34)	-	0.38	-	-	-	-	-	-	-	-	-	-	0.46	-	0.41	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	0.92	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	0.76	-	ND (0.35)	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	1.7	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	1.3	-	ND (0.35)	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	0.35	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	0.44	-	ND (0.35)	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	0.94	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	0.95	-	ND (0.35)	-	-	-	-
Phenol	1	NA	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	1.5	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	1.2	-	ND (0.35)	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	8.9	-	0.38	-	-	-	-	-	-	-	-	-	-	7.45	-	0.41	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q7	Q8	Q8	Q8	Q8	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q10	Q10	Q10	Q10	Q10	Q10	Q10
Sample Name			Q7_S5_4.9-6.9	Q8_S1_0.0-1.3	Q8_S2_1.3-3.3	Q8_S3_3.3-5.3	Q8_S4_5.3-7.3	Q9_S1_0.7-1.3	Q9_S2_1.4-3.4	Q9_S6_1.5-8.8	Q9_S3_3.4-5.4	Q9_S4_5.4-7.4	Q9_S5_7.4-9.4	Q9_S7_9.4-11.4	Q9_S8_11.4-13.4	Q9_S9_13.4-15.4	Q9_S10_15.4-17.4	Q9_S11_17.4-19.4	Q9_S12_19.4-21.9	Q9_S13_21.9-23.4	Q10_S1_1-3	Q10_S2_3.5-4.5	Q10_S5_3.5-9.3	Q10_S3_5.5-7.5	Q10_S4_7.5-9.5	Q10_S6_9.5-11.5	Q10_S7_11.5-13.5
Sample Date			02/03/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			15B0054-05	15K1068-13	15K1068-14	15K1068-15	15K1068-16	133923-56 133923-71 133923-83	133923-57	133923-61 133923-72 133923-84 134174-3	133923-58	133923-59	133923-60	133973-14	133973-15	133973-16	133973-17	133973-18	133973-19	133973-20	134015-42 134015-42RA1 134015-55 134015-65	134015-34	134015-46 134015-56 134015-66	134015-35	134015-36	134053-33	134053-34
Sample Depth (bgs)			4.9 - 6.9 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.7 - 1.3 (ft)	1.4 - 3.4 (ft)	1.5 - 8.8 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.9 (ft)	21.9 - 23.4 (ft)	1 - 3 (ft)	3.5 - 4.5 (ft)	3.5 - 9.3 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)
Sample Elevation (ft BCB)			12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10	16.7 to 16.1	16 to 14	15.9 to 8.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4.5	-4.5 to -6	16.6 to 14.6	14.1 to 13.1	14.1 to 8.3	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	ORGANIC DEPOSITS	NEW FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	70	-	160	-	-	-	-	-	-	-	-	-	-	87	-	33	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	82	-	160	-	-	-	-	-	-	-	-	-	-	100	-	34	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	53	-	170	-	-	-	-	-	-	-	-	-	-	110	-	38	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (30)	-	ND (32)	-	-	-	-	-	-	-	-	-	-	ND (33)	-	ND (32)	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	ND (1)	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	ND (3.1)	-	5.1	-	-	-	-	-	-	-	-	-	-	3.7	-	ND (3.2)	-	-	-	-
Barium	1000	NA	-	-	-	-	-	31	-	76	-	-	-	-	-	-	-	-	-	-	61	-	18	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	ND (0.31)	-	ND (0.33)	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	0.69	-	1.3	-	-	-	-	-	-	-	-	-	-	1.4	-	0.61	-	-	-	-
Chromium	100	NA	-	-	-	-	-	18	-	22	-	-	-	-	-	-	-	-	-	-	22	-	13	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	19	-	100	-	-	-	-	-	-	-	-	-	-	83	-	6.1	-	-	-	-
Mercury	20	NA	-	-	-	-	-	ND (0.017)	-	0.066	-	-	-	-	-	-	-	-	-	-	0.57	-	ND (0.018)	-	-	-	-
Nickel	600	NA	-	-	-	-	-	11	-	16	-	-	-	-	-	-	-	-	-	-	15	-	8	-	-	-	-
Selenium	400	NA	-	-	-	-	-	ND (5.2)	-	5.9	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (5.3)	-	-	-	-
Silver	100	NA	-	-	-	-	-	ND (1)	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	ND (5.2)	-	ND (5.4)	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (5.3)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	22	-	30	-	-	-	-	-	-	-	-	-	-	29	-	9.8	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	32	-	99	-	-	-	-	-	-	-	-	-	-	88	-	45	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	**1.9**	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	0.12	ND (0.11)	0.14	ND (0.11)	0.98	**2.7**	-	ND (0.047)	0.11	0.23	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	ND (0.11)	ND (0.11)	0.34	ND (0.11)	ND (0.41)	**1.6**	-	ND (0.047)	ND (0.045)	0.18	0.14	0.6	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	0.43	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)	ND (0.048)	ND (0.044)	ND (0.058)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)
SUM of PCBs	1	NA	ND	0.12	ND	0.48	ND	0.98	**4.3**	-	ND	0.11	0.41	0.14	0.6	ND	ND	ND	ND	ND	**2.33**	ND	-	ND	ND	ND	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	91.1	90.8	92.2	97.5	92.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	6.5	-	7.4	-	-	-	-	-	-	-	-	-	-	8	-	8.3	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q10	Q10	Q10	Q10	Q10	Q10	Q11	Q11	Q11	Q11	Q11	Q11	Q12	Q12	Q12	Q12	Q13	Q13	Q13	Q13	Q13	Q13	Q13	Q13
Sample Name			Q10_S8_13.5-15.5	Q10_S9_15.5-17.5	Q10_S10_17.5-19.5	Q10_S11_19.5-21.5	Q10_S12_21.5-22.5	Q10_S13_22.5-23.5	Q11_S1_0.2-5.7	Q11_S2_0.2-1.7	Q11_S3_1.7-3.7	Q11_S4_3.7-5.7	Q11_S5_5.7-7.7	Q12_S1_2.0-5.7	Q12_S2_2.0-3.7	Q12_S3_3.7-5.7	Q12_S4_5.7-7.7	Q13_S1_0.5-6.5	Q13_S2_6.5-8.0	Q13_S7_6.5-16.0	Q13_S3_8.0-10.0	Q13_S4_10.0-12.0	Q13_S5_12.0-14.0	Q13_S6_14.0-16.0	Q13_S8_16.0-18.0
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																133973-1 133973-46		133973-47 133973-54	133973-3				
Lab Sample ID			134053-35	134053-36	134053-37	134053-38	134053-39	134053-40	15B0268-01 15D0957-01	15B0268-02	15B0268-03	15B0625-01	15B0625-02	15C0027-01	15C0027-02	15C0027-03	15C0027-04	133973-53	133973-2	133973-7	133973-3RA1	133973-4	133973-5	133973-6	133973-8
Sample Depth (bgs)			13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 22.5 (ft)	22.5 - 23.5 (ft)	0.2 - 5.7 (ft)	0.2 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	2 - 5.7 (ft)	2 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.5 - 6.5 (ft)	6.5 - 8 (ft)	6.5 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Sample Elevation (ft BCB)			4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -4.9	-4.9 to -5.9	17.5 to 12	17.5 to 16	16 to 14	14 to 12	12 to 10	15.7 to 12	15.7 to 14	14 to 12	12 to 10	17.4 to 11.4	11.4 to 9.9	11.4 to 1.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	ND (0.079)	-	-	-	-	ND (0.088)	-	-	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	ND (0.0079)	-	-	-	-	ND (0.0088)	-	-	-	ND (0.05)	-	ND (0.05)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	ND (0.0079)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	0.017	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	ND	-	-	-	-	ND	-	-	-	ND	-	0.017	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	**ND (1.5)**	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	**ND (1.5)**	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	**ND (1.5)**	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	**ND (0.75)**	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	1	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	ND (0.75)	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	1.2	-	-	-	-	0.28	-	-	-	ND (0.35)	-	0.67	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	3.2	-	-	-	-	0.85	-	-	-	0.42	-	1.4	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	**3**	-	-	-	-	0.83	-	-	-	0.39	-	1.1	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	3.7	-	-	-	-	1.3	-	-	-	0.61	-	1.3	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	1.6	-	-	-	-	0.6	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	1.5	-	-	-	-	0.53	-	-	-	ND (0.35)	-	0.54	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	3.4	-	-	-	-	0.93	-	-	-	0.45	-	1.2	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	**ND (0.75)**	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	ND (3)	-	-	-	-	ND (0.79)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	7.7	-	-	-	-	1.5	-	-	-	0.8	-	2.2	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	0.92	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	1.8	-	-	-	-	0.78	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	1.5	-	-	-	-	0.2	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	6.5	-	-	-	-	1.1	-	-	-	0.52	-	0.68	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	**ND (1.5)**	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	7.7	-	-	-	-	1.2	-	-	-	0.69	-	2	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	44.72	-	-	-	-	10.1	-	-	-	3.88	-	11.09	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q10	Q10	Q10	Q10	Q10	Q10	Q11	Q11	Q11	Q11	Q11	Q11	Q12	Q12	Q12	Q12	Q13	Q13	Q13	Q13	Q13	Q13	Q13	Q13
Sample Name			Q10_S8_13.5-15.5	Q10_S9_15.5-17.5	Q10_S10_17.5-19.5	Q10_S11_19.5-21.5	Q10_S12_21.5-22.5	Q10_S13_22.5-23.5	Q11_S1_0.2-5.7	Q11_S2_0.2-1.7	Q11_S3_1.7-3.7	Q11_S4_3.7-5.7	Q11_S5_5.7-7.7	Q12_S1_2.0-5.7	Q12_S2_2.0-3.7	Q12_S3_3.7-5.7	Q12_S4_5.7-7.7	Q13_S1_0.5-6.5	Q13_S2_6.5-8.0	Q13_S7_6.5-16.0	Q13_S3_8.0-10.0	Q13_S4_10.0-12.0	Q13_S5_12.0-14.0	Q13_S6_14.0-16.0	Q13_S8_16.0-18.0
Sample Date			06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			134053-35	134053-36	134053-37	134053-38	134053-39	134053-40	15B0268-01 15D0957-01	15B0268-02	15B0268-03	15B0625-01	15B0625-02	15C0027-01	15C0027-02	15C0027-03	15C0027-04	133973-1 133973-46 133973-53	133973-2	133973-47 133973-54 133973-7	133973-3 133973-3RA1	133973-4	133973-5	133973-6	133973-8
Sample Depth (bgs)			13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 22.5 (ft)	22.5 - 23.5 (ft)	0.2 - 5.7 (ft)	0.2 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	2 - 5.7 (ft)	2 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.5 - 6.5 (ft)	6.5 - 8 (ft)	6.5 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Sample Elevation (ft BCB)			4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -4.9	-4.9 to -5.9	17.5 to 12	17.5 to 16	16 to 14	14 to 12	12 to 10	15.7 to 12	15.7 to 14	14 to 12	12 to 10	17.4 to 11.4	11.4 to 9.9	11.4 to 1.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	1100	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	150	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280	-	160	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430	-	130	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310	-	89	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	3.8	-	-	-	-	6.2	-	-	-	ND (3.2)	-	3.9	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	55	-	-	-	-	39	-	-	-	43	-	53	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.32)	-	ND (0.37)	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	1.2	-	-	-	-	0.52	-	-	-	0.66	-	1.2	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	20	-	-	-	-	8.6	-	-	-	15	-	30	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	**1100**	-	-	-	-	33	-	-	-	44	-	31	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	0.31	-	-	-	-	0.037	-	-	-	0.18	-	0.8	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	20	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	ND (5.4)	-	-	-	-	ND (5.8)	-	-	-	ND (5.3)	-	ND (6.1)	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	ND (0.54)	-	-	-	-	ND (0.58)	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.3)	-	ND (6.1)	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	40	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	60	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	**ND (11)**	**ND (21)**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	**ND (11)**	**ND (21)**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	**ND (11)**	**ND (21)**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	**ND (11)**	**ND (21)**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	0.6	**45**	**85**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	0.52	**63**	**120**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	**1.3**	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.051)	ND (0.053)	0.53	ND (0.063)	ND (0.054)	ND (0.1)	-	0.31	**13**	**33**	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	**1**	0.19	-	**4.2**	ND (0.062)	0.06	ND (0.051)	ND (0.052)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)	ND (0.051)	ND (0.052)
SUM of PCBs	1	NA	ND	ND	0.53	ND	ND	ND	-	**1.43**	**121**	**238**	ND	-	ND	ND	ND	**2.3**	0.19	-	**4.2**	ND	0.06	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	90.8	88.7	91.3	90.8	88.7	84.8	83.4	83.8	82	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (4)	-	-	-	-	ND (3.9)	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	ND (20)	-	-	-	-	ND (19)	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	53	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	NI	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	8.5	-	-	-	-	6.5	-	-	-	7.1	-	7.8	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (2.2)	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (2.2)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	2.7	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	ND (2.2)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-	3.5	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q13	Q13	Q13	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q15	Q15	Q15	Q15	Q15	Q15	Q15	Q15	Q15
Sample Name			Q13_S9_18.0-20.0	Q13_S10_20.0-22.0	Q13_S11_22-24	Q14_S1_0.5-8.0	Q14_S2_8.0-10.0	Q14_S7_8-18	Q14_S3_10-12	Q14_S4_12-14	Q14_S5_14-16	Q14_S6_16-18	Q14_S8_18-20	Q14_S9_20-22	Q15_S1_0.5-7.5	Q15_S2_8-10	Q15_S7_8-18	Q15_S3_10-12	Q15_S4_12-14	Q15_S5_14-16	Q15_S6_16-18	Q15_S8_18-20	Q15_S9_20-22	Q15_S10_22-24
Sample Date			06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133973-9	133973-10	133973-11	133973-12 133973-12RA1 133973-48 133973-55	133973-13	134015-44 134015-51 134015-61 134218-3 134218-7	134015-16	134015-17	134015-18	134015-19	134015-20	134015-21	134015-37 134015-47 134015-57 134218-1	134053-13	134053-57 134053-63 134053-72 134263-3	134053-14	134053-15	134053-16	134053-17	134053-18	134053-19	134053-20
Sample Depth (bgs)			18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 8 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.5 - 7.5 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)
Sample Elevation (ft BCB)			-0.1 to -2.1	-2.1 to -4.1	-4.1 to -6.1	17.4 to 9.9	9.9 to 7.9	9.9 to -0.1	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -4.1	17.5 to 10.5	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	ND (0.21)	-	ND (0.33)	-	-	-	-	-	-	ND (0.2)	-	ND (0.24)	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	0.005	-	ND (0.006)	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	ND (0.053)	-	ND (0.082)	-	-	-	-	-	-	ND (0.05)	-	ND (0.059)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.005)	-	0.027	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	0.027	-	-	-	-	-	-	0.005	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	ND (0.35)	-	0.46	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	ND (0.35)	-	2.1	-	-	-	-	-	-	ND (0.38)	-	1.5	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	ND (0.35)	-	2.4	-	-	-	-	-	-	ND (0.38)	-	1.3	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	ND (0.35)	-	1.9	-	-	-	-	-	-	ND (0.38)	-	1.1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	ND (0.35)	-	2	-	-	-	-	-	-	0.42	-	1.1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	ND (0.35)	-	0.97	-	-	-	-	-	-	ND (0.38)	-	0.52	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	ND (0.35)	-	0.74	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	ND (0.35)	-	2.2	-	-	-	-	-	-	ND (0.38)	-	1.2	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	ND (0.35)	-	0.46	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	ND (0.35)	-	4.4	-	-	-	-	-	-	0.69	-	2.8	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	ND (0.35)	-	0.89	-	-	-	-	-	-	ND (0.38)	-	0.47	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	ND (0.35)	-	1.2	-	-	-	-	-	-	ND (0.38)	-	0.61	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	ND (0.35)	-	5.1	-	-	-	-	-	-	ND (0.38)	-	2.1	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	ND (0.35)	-	4	-	-	-	-	-	-	1.1	-	2.4	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	ND	-	28.82	-	-	-	-	-	-	2.21	-	15.1	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q13	Q13	Q13	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q15	Q15	Q15	Q15	Q15	Q15	Q15	Q15	Q15	Q15
Sample Name			Q13_S9_18.0-20.0	Q13_S10_20.0-22.0	Q13_S11_22-24	Q14_S1_0.5-8.0	Q14_S2_8.0-10.0	Q14_S7_8-18	Q14_S3_10-12	Q14_S4_12-14	Q14_S5_14-16	Q14_S6_16-18	Q14_S8_18-20	Q14_S9_20-22	Q15_S1_0.5-7.5	Q15_S2_8-10	Q15_S7_8-18	Q15_S3_10-12	Q15_S4_12-14	Q15_S5_14-16	Q15_S6_16-18	Q15_S8_18-20	Q15_S9_20-22	Q15_S10_22-24
Sample Date			06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133973-9	133973-10	133973-11	133973-12 133973-12RA1 133973-48 133973-55	133973-13	134015-44 134015-51 134015-61 134218-3 134218-7	134015-16	134015-17	134015-18	134015-19	134015-20	134015-21	134015-37 134015-47 134015-57 134218-1	134053-13	134053-57 134053-63 134053-72 134263-3	134053-14	134053-15	134053-16	134053-17	134053-18	134053-19	134053-20
Sample Depth (bgs)			18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 8 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.5 - 7.5 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)
Sample Elevation (ft BCB)			-0.1 to -2.1	-2.1 to -4.1	-4.1 to -6.1	17.4 to 9.9	9.9 to 7.9	9.9 to -0.1	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -4.1	17.5 to 10.5	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL/ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	460	-	150	-	-	-	-	-	-	870	-	100	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	460	-	180	-	-	-	-	-	-	880	-	120	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	870	-	ND (39)	-	-	-	-	-	-	920	-	ND (41)	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	680	-	ND (39)	-	-	-	-	-	-	760	-	ND (41)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	-	-	ND (1.1)	-	1.7	-	-	-	-	-	-	1.3	-	ND (1.4)	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	ND (3.3)	-	6.5	-	-	-	-	-	-	ND (3.6)	-	5.2	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	43	-	110	-	-	-	-	-	-	79	-	56	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	ND (0.33)	-	ND (0.42)	-	-	-	-	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	0.84	-	1.8	-	-	-	-	-	-	2.7	-	1.5	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	13	-	35	-	-	-	-	-	-	28	-	35	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	40	-	**410**	-	-	-	-	-	-	**330**	-	11	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	ND (0.019)	-	0.55	-	-	-	-	-	-	0.23	-	0.082	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	11	-	22	-	-	-	-	-	-	28	-	20	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	ND (5.5)	-	ND (8)	-	-	-	-	-	-	ND (7)	-	ND (7)	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	ND (1.2)	-	ND (1.4)	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	ND (5.5)	-	ND (7)	-	-	-	-	-	-	ND (6)	-	ND (7)	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	24	-	45	-	-	-	-	-	-	48	-	41	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	71	-	89	-	-	-	-	-	-	240	-	83	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	1	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**ND (4.6)**	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**ND (4.6)**	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**ND (4.6)**	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	**1.2**	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**ND (4.6)**	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**ND (4.6)**	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**ND (4.6)**	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.064)	ND (0.071)	ND (0.068)	0.37	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	**14**	0.24	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)
SUM of PCBs	1	NA	ND	ND	ND	**1.57**	ND	-	ND	ND	ND	ND	ND	ND	**14**	0.24	-	ND	ND	ND	ND	ND	ND	ND
Other																								
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	165 >	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	7	-	7.8	-	-	-	-	-	-	7.4	-	7.7	-	-	-	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.3)	-	ND (2)	-	-	-	-	-	-	1.4	-	ND (1.7)	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.3)	-	ND (2)	-	-	-	-	-	-	1.5	-	ND (1.7)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	3.4	-	ND (2)	-	-	-	-	-	-	4.8	-	ND (1.7)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	2	-	ND (2)	-	-	-	-	-	-	2.1	-	ND (1.7)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	5.5	-	ND (2)	-	-	-	-	-	-	7.1	-	ND (1.7)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q15	Q16	Q16	Q16	Q16	Q16	Q17	Q17	Q17	Q17	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R4	R4
Sample Name			Q15_S11_24-26	Q16_S1_1.0-6.0	Q16_S2_1-2	Q16_S3_2-4	Q16_S4_4-6	Q16_S5_6-8	Q17_S1_1.1-2.1	Q17_S2_2.1-4.1	Q17_S3_4.1-6.1	Q17_S4_6.1-8.1	R3_S1_1-5.5	R3_S2_5.5-6.5	R3_S7_5.5-12.4	R3_S3_6.5-8.5	R3_S4_8.5-10.5	R3_S5_10.5-12.5	R3_S6_12.5-14.5	R3_S8_14.5-16.5	R3_S9_16.5-18.5	R3_S10_18.5-20.5	R3_S11_20.5-22.5	R3_S12_22.5-23.5	R3_S13_23.5-24.5	R4_S1_0.8-7.8	R4_S10_7.8-17.8
Sample Date			06/17/2010	02/26/2015	02/26/2015	02/26/2015	02/26/2015	02/26/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	06/28/2010	06/28/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134053-21	15B0852-01 15B0852-01RE1 15C0186-01	15B0852-02	15B0852-03	15C0334-01	15C0334-02	15K0704-26	15K0704-27	15K0704-28	15K0704-29	134565-15 134565-18 134565-21 134744-1	134565-1	134565-17 134565-19 134565-22 134744-3	134565-2	134565-3	134565-4	134565-5	134565-6	134565-7	134565-8	134565-9	134565-10	134565-11	134316-35 134316-42 134316-49	134316-38 134316-43 134316-50
Sample Depth (bgs)			24 - 26 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	1 - 5.5 (ft)	5.5 - 6.5 (ft)	5.5 - 12.4 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 23.5 (ft)	23.5 - 24.5 (ft)	0.8 - 7.8 (ft)	7.8 - 17.8 (ft)
Sample Elevation (ft BCB)			-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	13.6 to 9.1	9.1 to 8.1	9.1 to 2.2	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	-5.9 to -7.9	-7.9 to -8.9	-8.9 to -9.9	15 to 8	8 to -2
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	RECENT FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Acetone	6	NA	-	ND (0.068)	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.23)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)
Benzene	2	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Chlorobenzene	1	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Ethylbenzene	40	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Isopropylbenzene	1000	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
m,p-Xylenes	NA	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methylene chloride	0.1	NA	-	ND (0.0068)	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.057)	-	-	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.05)
Naphthalene	4	NA	-	ND (0.0068)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
n-Propylbenzene	100	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
o-Xylene	NA	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Styrene	3	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Tetrachloroethene	1	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Toluene	30	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Trichloroethene	0.3	NA	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
1,2-Dichlorobenzene	9	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
1,3-Dichlorobenzene	3	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
2,4-Dimethylphenol	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
2,4-Dinitrotoluene	0.7	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
2,6-Dinitrotoluene	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
2-Chloronaphthalene	1000	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
2-Methylnaphthalene	0.7	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
2-Methylphenol	500	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
3&4-Methylphenol	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Acenaphthene	4	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Acenaphthylene	1	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Acetophenone	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Aniline	NA	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Anthracene	1000	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Benzo(a)anthracene	7	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	0.73	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	0.5
Benzo(a)pyrene	2	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	0.62	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Benzo(b)fluoranthene	7	NA	-	0.23	-	-	-	-	-	-	-	-	0.9	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	0.47
Benzo(g,h,i)perylene	1000	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Benzo(k)fluoranthene	70	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Butyl benzylphthalate	100	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Chrysene	70	NA	-	0.2	-	-	-	-	-	-	-	-	0.76	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	0.52
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Dibenzofuran	100	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Diethyl phthalate	10	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Di-n-butylphthalate	50	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Di-n-octyl phthalate	1000	NA	-	ND (0.78)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Fluoranthene	1000	NA	-	0.28	-	-	-	-	-	-	-	-	1.5	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	0.55	0.96
Fluorene	1000	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Isophorone	100	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Naphthalene	4	NA	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Pentachlorophenol	3	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.71)	-	ND (0.8)	-	-	-	-	-	-	-	-	-	-	ND (0.77)	ND (0.8)
Phenanthrene	10	NA	-	0.22	-	-	-	-	-	-	-	-	1.3	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	0.4	0.48
Phenol	1	NA	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)
Pyrene	1000	NA	-	0.34	-	-	-	-	-	-	-	-	1.4	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	0.48	0.82
SUM of Semi-Volatile Organic Compounds	NA	NA	-	1.27	-	-	-	-	-	-	-	-	7.21	-	ND	-	-	-	-	-	-	-	-	-	-	1.43	3.75

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Q15	Q16	Q16	Q16	Q16	Q16	Q17	Q17	Q17	Q17	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R4	R4
Sample Name			Q15_S11_24-26	Q16_S1_1.0-6.0	Q16_S2_1-2	Q16_S3_2-4	Q16_S4_4-6	Q16_S5_6-8	Q17_S1_1.1-2.1	Q17_S2_2.1-4.1	Q17_S3_4.1-6.1	Q17_S4_6.1-8.1	R3_S1_1-5.5	R3_S2_5.5-6.5	R3_S7_5.5-12.4	R3_S3_6.5-8.5	R3_S4_8.5-10.5	R3_S5_10.5-12.5	R3_S6_12.5-14.5	R3_S8_14.5-16.5	R3_S9_16.5-18.5	R3_S10_18.5-20.5	R3_S11_20.5-22.5	R3_S12_22.5-23.5	R3_S13_23.5-24.5	R4_S1_0.8-7.8	R4_S10_7.8-17.8
Sample Date			06/17/2010	02/26/2015	02/26/2015	02/26/2015	02/26/2015	02/26/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	06/28/2010	06/28/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134053-21	15B0852-01 15B0852-01RE1 15C0186-01	15B0852-02	15B0852-03	15C0334-01	15C0334-02	15K0704-26	15K0704-27	15K0704-28	15K0704-29	134565-15 134565-18 134565-21 134744-1	134565-1	134565-17 134565-19 134565-22 134744-3	134565-2	134565-3	134565-4	134565-5	134565-6	134565-7	134565-8	134565-9	134565-10	134565-11	134316-35 134316-42 134316-49 134316-50	134316-38 134316-43 134316-50
Sample Depth (bgs)			24 - 26 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	1 - 5.5 (ft)	5.5 - 6.5 (ft)	5.5 - 12.4 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 23.5 (ft)	23.5 - 24.5 (ft)	0.8 - 7.8 (ft)	7.8 - 17.8 (ft)
Sample Elevation (ft BCB)			-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	13.6 to 9.1	9.1 to 8.1	9.1 to 2.2	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	-5.9 to -7.9	-7.9 to -8.9	-8.9 to -9.9	15 to 8	8 to -2
Soil Description			ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	RECENT FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	74	-	ND (35)	-	-	-	-	-	-	-	-	-	-	57	ND (37)
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	85	-	ND (35)	-	-	-	-	-	-	-	-	-	-	59	ND (37)
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	50	-	ND (35)	-	-	-	-	-	-	-	-	-	-	60	ND (37)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (33)	-	ND (35)	-	-	-	-	-	-	-	-	-	-	ND (34)	ND (37)
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	1.5	ND (1.3)
Arsenic	20	NA	-	ND (2.7)	-	-	-	-	-	-	-	-	ND (3.2)	-	12	-	-	-	-	-	-	-	-	-	-	ND (3.5)	ND (3.8)
Barium	1000	NA	-	49	-	-	-	-	-	-	-	-	88	-	120	-	-	-	-	-	-	-	-	-	-	24	39
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	ND (0.32)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)
Cadmium	70	NA	-	0.86	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	0.91	1.1
Chromium	100	NA	-	39	-	-	-	-	-	-	-	-	9.9	-	12	-	-	-	-	-	-	-	-	-	-	9.8	24
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	**300**	-	-	-	-	-	-	-	-	**650**	-	**450**	-	-	-	-	-	-	-	-	-	-	50	61
Mercury	20	NA	-	0.084	-	-	-	-	-	-	-	-	1	-	4.6	-	-	-	-	-	-	-	-	-	-	0.083	0.58
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	14	-	23	-	-	-	-	-	-	-	-	-	-	12	14
Selenium	400	NA	-	ND (5.4)	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (6)	-	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.4)
Silver	100	NA	-	ND (0.54)	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.3)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (6)	-	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.4)
Vanadium	400	NA	-	-	-	-	1	-	-	-	-	-	7.6	-	7.7	-	-	-	-	-	-	-	-	-	-	46	26
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	650	-	300	-	-	-	-	-	-	-	-	-	-	40	66
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	2.4	-	-	-	-	-	-	-	-	2.3	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.076)	-	ND (0.11)	**ND (12)**	**ND (2.3)**	ND (0.052)	ND (0.11)	**ND (1.7)**	ND (0.1)	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.076)	-	ND (0.11)	**ND (12)**	**ND (2.3)**	ND (0.052)	ND (0.11)	**ND (1.7)**	ND (0.1)	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.076)	-	ND (0.11)	**ND (12)**	**ND (2.3)**	ND (0.052)	ND (0.11)	**ND (1.7)**	ND (0.1)	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.076)	-	ND (0.11)	**ND (12)**	**ND (2.3)**	ND (0.052)	ND (0.11)	**ND (1.7)**	ND (0.1)	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.076)	-	0.41	**ND (12)**	**11**	0.2	0.22	**3.7**	0.2	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1254 (PCB-1254)	1	NA	ND (0.076)	-	0.43	**98**	**22**	0.39	0.2	**8.5**	0.32	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1260 (PCB-1260)	1	NA	ND (0.076)	-	0.17	**17**	**3.9**	0.14	0.14	**ND (1.7)**	0.22	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	ND (0.043)	ND (0.044)	-	ND (0.044)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.051)	ND (0.054)	ND (0.063)	ND (0.066)	ND (0.061)	ND (0.075)	ND (0.045)	-
SUM of PCBs	1	NA	ND	-	**1.01**	**115**	**36.9**	0.73	0.56	**12.2**	0.74	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	86	90.4	82	87	75	91.8	92	93.9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	ND (4)	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	8.8	-	-	-	-	-	-	-	-	7.2	-	7.2	-	-	-	-	-	-	-	-	-	-	8.1	8.5
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	1.5	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	1.6	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	1.2	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	1.5	-	2.2	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R4	R4	R4	R4	R4	R4	R4	R4	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R6	R6	R6	R6
Sample Name			R4_S2_7.8-9.8	R4_S3_9.8-11.8	R4_S4_11.8-13.8	R4_S5_13.8-15.8	R4_S6_15.8-17.8	R4_S7_17.8-19.8	R4_S8_19.8-21.8	R4_S9_21.8-23.8	R5_S1_0-6	R5_S2_6-8	R5_S7_6-16	R5_S3_8-10	R5_S4_10-12	R5_S5_12-14	R5_S6_14-16	R5_S8_16-18	R5_S9_18-20	R5_S10_20-22	R5_S11_22-24	R5_S12_24-26	R6_S1_0-4.4	R6_S2_4.4-6.4	R6_S7_4.4-14.4	R6_S3_6.4-8.4
Sample Date			06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134316-15	134316-16	134316-17	134316-18	134316-19	134316-20	134316-21	134316-22	133820-37 133820-46 133820-54	133820-16	133820-41 133820-47 133820-55 134052-3	133820-17	133820-18	133820-19	133820-20	133820-21	133820-22	133820-23	133820-24	133820-25	133766-53 133766-58 133766-67 134055-2	133766-11	133766-48 133766-57 133766-66 134055-5	133766-12
Sample Depth (bgs)			7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.8 (ft)	0 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	16.4 to 12	12 to 10	12 to 2	10 to 8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.21)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.2)	-
Benzene	2	NA	-	-	-	-	-	-	-	-	0.006	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.051)	-	-	-	-	-	-	-	-	-	ND (0.052)	-	ND (0.05)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	0.006	-	ND	-	-	-	-	-	-	-	-	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.6	-	ND (0.41)	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.44	-	ND (0.41)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.94	-	ND (0.41)	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.87	-	ND (0.41)	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.4	-	ND (0.41)	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.44	-	ND (0.41)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.1	-	ND (0.41)	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.9	-	ND (0.41)	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.41	-	ND (0.41)	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.37	-	ND (0.41)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.7	-	ND (0.41)	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.7	-	ND (0.41)	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	11.87	-	ND	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R4	R4	R4	R4	R4	R4	R4	R4	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R6	R6	R6	R6
Sample Name			R4_S2_7.8-9.8	R4_S3_9.8-11.8	R4_S4_11.8-13.8	R4_S5_13.8-15.8	R4_S6_15.8-17.8	R4_S7_17.8-19.8	R4_S8_19.8-21.8	R4_S9_21.8-23.8	R5_S1_0-6	R5_S2_6-8	R5_S7_6-16	R5_S3_8-10	R5_S4_10-12	R5_S5_12-14	R5_S6_14-16	R5_S8_16-18	R5_S9_18-20	R5_S10_20-22	R5_S11_22-24	R5_S12_24-26	R6_S1_0-4.4	R6_S2_4.4-6.4	R6_S7_4.4-14.4	R6_S3_6.4-8.4
Sample Date			06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134316-15	134316-16	134316-17	134316-18	134316-19	134316-20	134316-21	134316-22	133820-37 133820-46 133820-54	133820-16	133820-41 133820-47 133820-55 134052-3	133820-17	133820-18	133820-19	133820-20	133820-21	133820-22	133820-23	133820-24	133820-25	133766-53 133766-58 133766-67 134055-2	133766-11	133766-48 133766-57 133766-66 134055-5	133766-12
Sample Depth (bgs)			7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.8 (ft)	0 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	16.4 to 12	12 to 10	12 to 2	10 to 8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	110	-	ND (37)	-	-	-	-	-	-	-	-	-	210	-	ND (37)	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	110	-	ND (37)	-	-	-	-	-	-	-	-	-	210	-	ND (37)	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	120	-	ND (37)	-	-	-	-	-	-	-	-	-	260	-	ND (37)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	32	-	ND (37)	-	-	-	-	-	-	-	-	-	34	-	ND (37)	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	2.8	-	6	-	-	-	-	-	-	-	-	-	3.9	-	3.5	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (4)	-	-	-	-	-	-	-	-	-	ND (3.2)	-	18	-
Barium	1000	NA	-	-	-	-	-	-	-	-	21	-	86	-	-	-	-	-	-	-	-	-	32	-	77	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	ND (0.32)	-	ND (0.39)	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	ND (0.55)	-	1.8	-	-	-	-	-	-	-	-	-	1.3	-	1.4	-
Chromium	100	NA	-	-	-	-	-	-	-	-	11	-	51	-	-	-	-	-	-	-	-	-	14	-	42	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	200	NA	-	-	-	-	-	-	-	-	33	-	14	-	-	-	-	-	-	-	-	-	120	-	40	-
Mercury	20	NA	-	-	-	-	-	-	-	-	0.035	-	0.048	-	-	-	-	-	-	-	-	-	0.21	-	0.051	-
Nickel	600	NA	-	-	-	-	-	-	-	-	10	-	34	-	-	-	-	-	-	-	-	-	19	-	27	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (5.5)	-	7.7	-	-	-	-	-	-	-	-	-	6	-	ND (6.5)	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.7)	-	-	-	-	-	-	-	-	-	ND (5.3)	-	ND (6.5)	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	13	-	65	-	-	-	-	-	-	-	-	-	28	-	59	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	30	-	78	-	-	-	-	-	-	-	-	-	96	-	85	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	**1.5**	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	0.7	ND (0.04)	-	ND (0.04)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	**1.4**	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	0.63	ND (0.04)	-	ND (0.04)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.051)	ND (0.057)	ND (0.078)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)	ND (0.04)	-	ND (0.04)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	**2.9**	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.33**	ND	-	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	8.2	-	7.8	-	-	-	-	-	-	-	-	-	8.7	-	8	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	2.6	-	1.6	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	1.2	-	ND (1.5)	-	-	-	-	-	-	-	-	-	2.9	-	2	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	1.3	-	ND (1.5)	-	-	-	-	-	-	-	-	-	6.4	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	4.3	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	2.3	-	ND (1.5)	-	-	-	-	-	-	-	-	-	12	-	ND (1.5)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R6	R6	R6	R6	R6	R6	R6	R7	R7	R7	R7	R8	R8	R8	R8	R9	R9	R9	R9	R9	R9	R10	R10	R10	R10	R11
Sample Name			R6_S4_8.4-10.4	R6_S5_10.4-12.4	R6_S6_12.4-14.4	R6_S8_14.4-16.4	R6_S9_16.4-18.4	R6_S10_18.4-20.4	R6_S11_20.4-22.4	R7_S1_0.0-0.6	R7_S2_0.6-2.6	R7_S3_2.6-4.6	R7_S4_4.6-6.6	R8_S1_0.0-1.0	R8_S2_1.0-3.0	R8_S3_3.0-5.0	R8_S4_5.0-7.0	R9_S1_0.4-5.2	R9_S3_0.4-1.2	R9_S4_1.2-3.2	R9_S5_3.2-5.2	R9_S2_5.2-7.2	R9_S6_5.2-7.2	R10_S1_1.0-5.2	R10_S2_1.0-3.2	R10_S3_3.2-5.2	R10_S4_5.2-7.2	R11_S1_1-7
Sample Date			06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	01/04/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										138940-27 138940-48 138940-58
Lab Sample ID			133766-13	133766-14	133766-1	133766-2	133766-3	133766-4	133766-5	15K1069-11	15K1069-12	15K1069-13	15K1069-14	15K1068-19	15K1068-20	15K1069-01	15K1069-02	15B0270-01	15B0270-03	15B0270-04	15B0270-05	15B0270-02	15B0270-06	15C0030-01	15C0030-02	15C0516-01	15C0516-02	139113-1
Sample Depth (bgs)			8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 5.2 (ft)	0.4 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	5.2 - 7.2 (ft)	1 - 5.2 (ft)	1 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1 - 7 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.6 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	16.8 to 12	16.8 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.3 to 12.1	16.3 to 14.1	14.1 to 12.1	12.1 to 10.1	16.2 to 10.2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	MARINE DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	-	ND (0.0023)	-	ND (0.0016)	-	-	-	ND (0.006)
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	-	ND (0.0023)	-	ND (0.0016)	-	-	-	ND (0.006)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.063)	-	-	-	ND (0.058)	-	ND (0.078)	-	-	-	ND (0.25)
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	-	ND (0.0023)	-	ND (0.0031)	-	-	-	ND (0.006)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	-	ND (0.0023)	-	ND (0.0031)	-	-	-	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	-	ND (0.0023)	-	ND (0.0031)	-	-	-	ND (0.006)
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0063)	-	-	-	ND (0.0058)	-	ND (0.0078)	-	-	-	ND (0.062)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0063)	-	-	-	ND (0.0058)	-	ND (0.0031)	-	-	-	ND (0.006)
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0012)	-	ND (0.0016)	-	-	-	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	ND	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	**ND (1.9)**
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	**ND (1.9)**
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	**ND (1.9)**
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	**ND (1.9)**
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	ND (1.9)
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	**ND (1.9)**
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	ND (1.9)
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	-	-	-	ND (0.19)	-	0.26	-	-	-	ND (1.9)
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	-	-	-	ND (0.19)	-	0.24	-	-	-	ND (1.9)
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	ND (0.19)	-	0.39	-	-	-	ND (1.9)
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	0.22	-	-	-	ND (1.9)
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	ND (1.9)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	ND (0.19)	-	0.37	-	-	-	ND (1.9)
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	**ND (1.9)**
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.71)	-	-	-	ND (0.74)	-	ND (0.78)	-	-	-	ND (1.9)
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	-	-	-	ND (0.19)	-	0.66	-	-	-	ND (1.9)
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	ND (1.9)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	0.25	-	-	-	ND (1.9)
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	ND (1.9)
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (0.19)	-	ND (0.2)	-	-	-	ND (1.9)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	**ND (7.6)**
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.85	-	-	-	ND (0.19)	-	0.5	-	-	-	ND (1.9)
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.38)	-	ND (0.39)	-	-	-	**ND (1.9)**
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	-	-	-	0.21	-	0.54	-	-	-	ND (1.9)
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.47	-	-	-	0.21	-	3.43	-	-	-	ND

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R6	R6	R6	R6	R6	R6	R6	R7	R7	R7	R7	R8	R8	R8	R8	R9	R9	R9	R9	R9	R9	R10	R10	R10	R10	R11
Sample Name			R6_S4_8.4-10.4	R6_S5_10.4-12.4	R6_S6_12.4-14.4	R6_S8_14.4-16.4	R6_S9_16.4-18.4	R6_S10_18.4-20.4	R6_S11_20.4-22.4	R7_S1_0.0-0.6	R7_S2_0.6-2.6	R7_S3_2.6-4.6	R7_S4_4.6-6.6	R8_S1_0.0-1.0	R8_S2_1.0-3.0	R8_S3_3.0-5.0	R8_S4_5.0-7.0	R9_S1_0.4-5.2	R9_S3_0.4-1.2	R9_S4_1.2-3.2	R9_S5_3.2-5.2	R9_S2_5.2-7.2	R9_S6_5.2-7.2	R10_S1_1.0-5.2	R10_S2_1.0-3.2	R10_S3_3.2-5.2	R10_S4_5.2-7.2	R11_S1_1-7
Sample Date			06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	01/04/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										138940-27 138940-48 138940-58
Lab Sample ID			133766-13	133766-14	133766-1	133766-2	133766-3	133766-4	133766-5	15K1069-11	15K1069-12	15K1069-13	15K1069-14	15K1068-19	15K1068-20	15K1069-01	15K1069-02	15B0270-01	15B0270-03	15B0270-04	15B0270-05	15B0270-02	15B0270-06	15C0030-01	15C0030-02	15C0516-01	15C0516-02	139113-1
Sample Depth (bgs)			8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 5.2 (ft)	0.4 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	5.2 - 7.2 (ft)	1 - 5.2 (ft)	1 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1 - 7 (ft)
Sample Elevation (ft BCB)			8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.6 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	16.8 to 12	16.8 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.3 to 12.1	16.3 to 14.1	14.1 to 12.1	12.1 to 10.1	16.2 to 10.2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	MARINE DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600	-	-	-	440	-	5800	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	920
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	940
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	920
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1100**
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	3.9	-	7	-	-	-	**36**
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	62	-	41	-	-	-	44
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	0.48	-	0.48	-	-	-	2.1
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	23	-	8.4	-	-	-	14
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	-	-	**360**	-	79	-	-	-	**26000**
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	-	-	-	0.16	-	0.085	-	-	-	0.4
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	ND (5.3)	-	ND (5.7)	-	-	-	ND (6)
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.54)	-	-	-	ND (0.53)	-	ND (0.57)	-	-	-	ND (1.2)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (11)**	ND (0.1)	ND (0.12)	ND (0.11)	-	**ND (21)**	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	**ND (4.8)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (11)**	ND (0.1)	ND (0.12)	ND (0.11)	-	**ND (21)**	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	**ND (4.8)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (11)**	ND (0.1)	ND (0.12)	ND (0.11)	-	**ND (21)**	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	**ND (4.8)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	**ND (11)**	ND (0.1)	ND (0.12)	ND (0.11)	-	**ND (21)**	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	**ND (4.8)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	0.38	**1**	ND (0.11)	**53**	0.57	ND (0.12)	ND (0.11)	-	**59**	0.29	ND (0.11)	-	ND (0.89)	-	0.16	0.36	ND (0.11)	**ND (4.8)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	0.59	**1.1**	ND (0.11)	**39**	0.62	ND (0.12)	ND (0.11)	-	**67**	0.17	ND (0.11)	-	ND (0.89)	-	0.26	0.53	ND (0.11)	**30**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	0.5	0.73	ND (0.11)	**16**	0.45	ND (0.12)	ND (0.11)	-	**160**	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	**ND (4.8)**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (21)	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (4.8)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (21)	ND (0.1)	ND (0.11)	-	ND (0.89)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (4.8)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	**1.47**	**2.83**	ND	**108**	**1.64**	ND	ND	-	**286**	0.46	ND	-	ND	-	0.42	0.89	ND	**30**
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	95.8	92.4	87.7	91.2	90.8	97.3	79.8	89.3	93.9	93.9	96.4	87.5	90.2	87.7	85.8	85.2	88	85.8	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	ND (3.9)	-	ND (3.9)	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (19)	-	ND (20)	-	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	56	-	91	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	NI	-	NI	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-	8	-	8.1	-	-	-	6.8
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11A	R12	R12	R12	R12	R13	R13	R13	R13	R13	R13	R13	R13
Sample Name			R11_S2_7-9	R11_S6_7-17	R11_S3_9-11	R11_S4_11-13	R11_S5_13-15	R11_S6_15-17	Z11_S6_15-17	R11_S6_17-19	R11_S7_19-20	Z11_S7_19-20	R11_S8_20-23	R11A_S1_0-10.1	R12_S1_0-1.4	R12_S2_1.4-3.4	R12_S3_3.4-5.4	R12_S4_5.4-7.4	R13_S1_1.5-7.5	R13_S6_7.5-17.5	R13_S2_9.5-11.5	R13_S3_11.5-13.5	R13_S4_13.5-15.5	R13_S5_15.5-17.5	R13_S7_17.5-19.5	R13_S8_19.5-21.5
Sample Date			01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	02/12/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138940-20	138940-39 138940-49 138940-59 139113-10	138940-21	138940-22	138940-23	138940-24	138940-25	138980-15	138980-16	138980-20	138980-21	15B0413-01 15B0559-01	15K1182-09	15K1182-10	15K1182-11	15K1182-12	134530-38 134530-53 134530-61 134713-5	134530-43 134530-54 134530-62	134530-39	134530-40	134530-41	134530-42	134530-44	134530-45
Sample Depth (bgs)			7 - 9 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 20 (ft)	19 - 20 (ft)	20 - 23 (ft)	0 - 10.1 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	1.5 - 7.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)
Sample Elevation (ft BCB)			10.2 to 8.2	10.2 to 0.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2	2.2 to 0.2	2.2 to 0.2	0.2 to -1.8	-1.8 to -2.8	-1.8 to -2.8	-2.8 to -5.8	17.3 to 7.2	17.4 to 16	16 to 14	14 to 12	12 to 10	16 to 10	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.28)	-	-	-	-	-	-	-	-	-	ND (0.11)	-	-	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.071)	-	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.011)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	ND	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	**ND (0.75)**	ND (0.46)	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	**ND (0.75)**	ND (0.46)	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	**ND (0.75)**	ND (0.46)	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	**ND (0.75)**	ND (0.46)	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Anthracene	1000	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.29	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.45	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.26	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Carbazole	NA	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Chrysene	70	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	**ND (0.75)**	ND (0.46)	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.83)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Fluoranthene	1000	NA	-	0.76	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	ND (0.75)	0.88	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.33	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	2.3	ND (0.46)	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (1.7)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (1.5)	ND (0.94)	-	-	-	-	-	-
Phenanthrene	10	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	ND (0.75)	0.69	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-
Pyrene	1000	NA	-	0.65	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	ND (0.75)	0.72	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	1.41	-	-	-	-	-	-	-	-	-	5.96	-	-	-	-	2.3	2.29	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11A	R12	R12	R12	R12	R13	R13	R13	R13	R13	R13	R13	R13
Sample Name			R11_S2_7-9	R11_S6_7-17	R11_S3_9-11	R11_S4_11-13	R11_S5_13-15	R11_S6_15-17	Z11_S6_15-17	R11_S6_17-19	R11_S7_19-20	Z11_S7_19-20	R11_S8_20-23	R11A_S1_0-10.1	R12_S1_0-1.4	R12_S2_1.4-3.4	R12_S3_3.4-5.4	R12_S4_5.4-7.4	R13_S1_1.5-7.5	R13_S6_7.5-17.5	R13_S2_9.5-11.5	R13_S3_11.5-13.5	R13_S4_13.5-15.5	R13_S5_15.5-17.5	R13_S7_17.5-19.5	R13_S8_19.5-21.5
Sample Date			01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	02/12/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138940-20	138940-39 138940-49 138940-59 139113-10	138940-21	138940-22	138940-23	138940-24	138940-25	138980-15	138980-16	138980-20	138980-21	15B0413-01 15B0559-01	15K1182-09	15K1182-10	15K1182-11	15K1182-12	134530-38 134530-53 134530-61 134713-5	134530-43 134530-54 134530-62	134530-39	134530-40	134530-41	134530-42	134530-44	134530-45
Sample Depth (bgs)			7 - 9 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 20 (ft)	19 - 20 (ft)	20 - 23 (ft)	0 - 10.1 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	1.5 - 7.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)
Sample Elevation (ft BCB)			10.2 to 8.2	10.2 to 0.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2	2.2 to 0.2	2.2 to 0.2	0.2 to -1.8	-1.8 to -2.8	-1.8 to -2.8	-2.8 to -5.8	17.3 to 7.2	17.4 to 16	16 to 14	14 to 12	12 to 10	16 to 10	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	640	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	ND (43)	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	48	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	ND (43)	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (35)	ND (43)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.5)	-	-	-	-	-	-
Arsenic	20	NA	-	ND (4.2)	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	ND (3.6)	ND (4.5)	-	-	-	-	-	-
Barium	1000	NA	-	57	-	-	-	-	-	-	-	-	-	39	-	-	-	-	45	18	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.45)	-	-	-	-	-	-
Cadmium	70	NA	-	1.4	-	-	-	-	-	-	-	-	-	ND (0.31)	-	-	-	-	0.69	ND (0.75)	-	-	-	-	-	-
Chromium	100	NA	-	32	-	-	-	-	-	-	-	-	-	22	-	-	-	-	12	12	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	39	-	-	-	-	-	-	-	-	-	110	-	-	-	-	**220**	15	-	-	-	-	-	-
Mercury	20	NA	-	0.35	-	-	-	-	-	-	-	-	-	0.74	-	-	-	-	0.14	0.24	-	-	-	-	-	-
Nickel	600	NA	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	ND (7.5)	-	-	-	-	-	-
Selenium	400	NA	-	ND (6.9)	-	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	ND (6)	ND (7.5)	-	-	-	-	-	-
Silver	100	NA	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (0.61)	-	-	-	-	ND (1.2)	ND (1.5)	-	-	-	-	-	-
Thallium	8	NA	-	ND (6.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	ND (7.5)	-	-	-	-	-	-
Vanadium	400	NA	-	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	12	-	-	-	-	-	-
Zinc	1000	NA	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	21	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	0.31	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	0.13	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	-	0.065	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	0.08	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	0.056	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	0.047	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)
SUM of PCBs	1	NA	ND	-	0.065	ND	ND	ND	ND	ND	ND	0.08	ND	-	ND	0.13	ND	ND	0.103	-	ND	ND	ND	ND	ND	ND
Other																										
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	80.4	91.4	88.3	81.8	87	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	450	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7.1	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	9.8	6.8	-	-	-	-	-	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R13	R14	R14	R14	R14	R14	R14	R14	R14	R14	R14	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15
Sample Name			R13_S9_21.5-23.5	R14_S1_1.5-7.5	R14_S2_7.5-9.5	R14_S7_7.5-17.5	R14_S3_9.5-11.5	R14_S4_11.5-13.5	R14_S5_13.5-15.5	R14_S6_15.5-17.5	R14_S8_17.5-19.5	R14_S9_19.5-21.5	R14_S10_21.5-23.5	R15_S1_0-6.5	R15_S2_6.5-7.5	R15_S8_6.5-16.5	R15_S3_7.5-9.5	R15_S4_9.5-11.5	R15_S5_11.5-13.5	R15_S6_13.5-15.5	R15_S7_15.5-17.5	R15_S9_17.5-19.5	R15_S10_19.5-21.5	R15_S11_21.5-23.5	R15_S12_23.5-25.5
Sample Date			07/06/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																							
Lab Sample ID			134530-46	134015-38 134015-38RA1 134015-48 134015-58	134015-1 134015-1RA1	134015-39 134015-49 134015-59 134218-5	134015-2	134015-3	134015-4	134015-5	134015-6	134015-7	134015-8	133923-15 133923-65 133923-76	133923-16	133923-4 133923-63 133923-74	133923-17	133923-18	133923-1	133923-2	133923-3	133923-5	133923-6	133923-7	133923-8
Sample Depth (bgs)			21.5 - 23.5 (ft)	1.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	0 - 6.5 (ft)	6.5 - 7.5 (ft)	6.5 - 16.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)
Sample Elevation (ft BCB)			-4 to -6	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17.5 to 11	11 to 10	11 to 1	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8
Soil Description			ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.22)	-	ND (0.32)	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.27)	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.055)	-	ND (0.08)	-	-	-	-	-	-	-	ND (0.054)	-	ND (0.067)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	ND	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	ND (0.36)	-	1	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	ND (0.36)	-	1.4	-	-	-	-	-	-	-	0.41	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	ND (0.36)	-	1.2	-	-	-	-	-	-	-	0.39	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	ND (0.36)	-	1.2	-	-	-	-	-	-	-	0.52	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	ND (0.36)	-	0.59	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	ND (0.36)	-	0.48	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	ND (0.36)	-	1.4	-	-	-	-	-	-	-	0.43	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	ND (0.36)	-	2.3	-	-	-	-	-	-	-	0.89	-	0.66	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.36)	-	0.7	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	ND (0.36)	-	1.7	-	-	-	-	-	-	-	0.8	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	ND (0.36)	-	2.2	-	-	-	-	-	-	-	0.72	-	0.56	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	ND	-	14.17	-	-	-	-	-	-	-	4.16	-	1.22	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R13	R14	R14	R14	R14	R14	R14	R14	R14	R14	R14	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15
Sample Name			R13_S9_21.5-23.5	R14_S1_1.5-7.5	R14_S2_7.5-9.5	R14_S7_7.5-17.5	R14_S3_9.5-11.5	R14_S4_11.5-13.5	R14_S5_13.5-15.5	R14_S6_15.5-17.5	R14_S8_17.5-19.5	R14_S9_19.5-21.5	R14_S10_21.5-23.5	R15_S1_0-6.5	R15_S2_6.5-7.5	R15_S8_6.5-16.5	R15_S3_7.5-9.5	R15_S4_9.5-11.5	R15_S5_11.5-13.5	R15_S6_13.5-15.5	R15_S7_15.5-17.5	R15_S9_17.5-19.5	R15_S10_19.5-21.5	R15_S11_21.5-23.5	R15_S12_23.5-25.5
Sample Date			07/06/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																							
Lab Sample ID			134530-46	134015-38 134015-38RA1 134015-48 134015-58	134015-1 134015-1RA1	134015-39 134015-49 134015-59 134218-5	134015-2	134015-3	134015-4	134015-5	134015-6	134015-7	134015-8	133923-15 133923-65 133923-76	133923-16	133923-4 133923-63 133923-74	133923-17	133923-18	133923-1	133923-2	133923-3	133923-5	133923-6	133923-7	133923-8
Sample Depth (bgs)			21.5 - 23.5 (ft)	1.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	0 - 6.5 (ft)	6.5 - 7.5 (ft)	6.5 - 16.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)
Sample Elevation (ft BCB)			-4 to -6	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17.5 to 11	11 to 10	11 to 1	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8
Soil Description			ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	380	-	ND (38)	-	-	-	-	-	-	-	330	-	610	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	390	-	ND (38)	-	-	-	-	-	-	-	330	-	610	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	490	-	ND (38)	-	-	-	-	-	-	-	600	-	730	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	250	-	ND (38)	-	-	-	-	-	-	-	490	-	610	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	1.6	-	2.5	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	ND (3.3)	-	ND (3.2)	-	-	-	-	-	-	-	ND (3.3)	-	ND (4.1)	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	28	-	87	-	-	-	-	-	-	-	39	-	36	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.33)	-	ND (0.32)	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.41)	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	0.75	-	1.4	-	-	-	-	-	-	-	0.97	-	ND (0.68)	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	25	-	43	-	-	-	-	-	-	-	22	-	15	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	32	-	13	-	-	-	-	-	-	-	44	-	60	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	0.054	-	0.039	-	-	-	-	-	-	-	0.37	-	ND (0.022)	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	13	-	28	-	-	-	-	-	-	-	13	-	9.8	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (5.5)	-	ND (7)	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.8)	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	ND (1.1)	-	ND (1.1)	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	ND (5.5)	-	ND (5.3)	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.8)	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	23	-	50	-	-	-	-	-	-	-	26	-	22	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	74	-	65	-	-	-	-	-	-	-	54	-	43	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.056)	**2.1**	0.92	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	0.33	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.056)	**1**	0.49	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	0.2	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)
SUM of PCBs	1	NA	ND	**3.1**	**1.41**	-	ND	ND	ND	ND	ND	ND	ND	0.53	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	-	165 >	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7.9	-	7.9	-	-	-	-	-	-	-	6.9	-	6.7	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	2.9	-	ND (1.6)	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	3.3	-	ND (1.6)	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	7	-	4	-	-	-	-	-	-	-	2	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	4.2	-	3.6	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.6)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	12	-	7.8	-	-	-	-	-	-	-	2.1	-	ND (1.6)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R16	R16	R16	R17	R17	R17	R17	R17	R18	R18	R18	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S6	S6
Sample Name			R16_S2_2.7-3.7	R16_S3_3.7-5.7	R16_S4_5.7-7.7	R17_S1_1-6	R17_S2_1-2	R17_S3_2-4	R17_S4_4-6	R17_S5_6-8	R18_S1_0.5-6.0	R18_S2_0.5-6.0	R18_S3_2-4	S5_S1_1.2-5.0	S5_S7_5-15	S5_S2_5.6-7.6	S5_S3_7.6-9.6	S5_S4_9.6-11.6	S5_S5_11.6-13.6	S5_S6_13.6-15.6	S5_S8_15.6-17.6	S5_S9_17.6-19.6	S5_S10_19.6-21.6	S5_S11_21.6-23.6	S5_S12_23.6-25.6	S6_S1_1.3-3.9	S6_S7_3.9-14.9
Sample Date			12/08/2015	12/08/2015	12/08/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/09/2010	06/09/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15L0384-01	15L0384-02	15L0384-03	15A0729-01	15A0729-02	15A0729-03	15B0076-01	15B0076-02	15A0725-01 15A0725-01RE1	15A0725-02	15A0725-03	133820-35 133820-43 133820-51	133820-40 133820-44 133820-52 134052-2	133820-6	133820-7	133820-8	133820-9	133820-10	133820-11	133820-12	133820-13	133820-14	133820-15	133766-56 133766-64 133766-73 134055-4	133766-52 133766-65 133766-74 134055-8
Sample Depth (bgs)			2.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	0.5 - 6 (ft)	2 - 4 (ft)	1.2 - 5 (ft)	5 - 15 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	1.3 - 3.9 (ft)	3.9 - 14.9 (ft)
Sample Elevation (ft BCB)			15 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 12	17.5 to 12	16 to 14	14.5 to 10.7	10.7 to 0.7	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	-5.9 to -7.9	-7.9 to -9.9	14.7 to 12.1	12.1 to 1.1
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/MARINE DEPOSITS	FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Acetone	6	NA	-	-	-	ND (0.11)	-	-	-	-	ND (0.077)	-	-	ND (0.32)	ND (0.23)	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.2)
Benzene	2	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Chlorobenzene	1	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Ethylbenzene	40	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Isopropylbenzene	1000	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
m,p-Xylenes	NA	NA	-	-	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Methylene chloride	0.1	NA	-	-	-	ND (0.011)	-	-	-	-	ND (0.0077)	-	-	ND (0.079)	ND (0.057)	-	-	-	-	-	-	-	-	-	-	ND (0.075)	ND (0.05)
Naphthalene	4	NA	-	-	-	ND (0.011)	-	-	-	-	ND (0.0077)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
n-Propylbenzene	100	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0031)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
o-Xylene	NA	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Styrene	3	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Tetrachloroethene	1	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Toluene	30	NA	-	-	-	0.0041	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
Trichloroethene	0.3	NA	-	-	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.008)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.008)	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	0.0041	-	-	-	-	ND	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
2,4-Dimethylphenol	0.7	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
2,4-Dinitrotoluene	0.7	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.18)	-	-	-	-	0.54	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
2-Methylphenol	500	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
3&4-Methylphenol	NA	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Acenaphthene	4	NA	-	-	-	ND (0.18)	-	-	-	-	2.4	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.53	ND (0.42)
Acenaphthylene	1	NA	-	-	-	ND (0.18)	-	-	-	-	ND (0.19)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Acetophenone	NA	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Aniline	NA	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Anthracene	1000	NA	-	-	-	ND (0.18)	-	-	-	-	4.5	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.93	ND (0.42)
Benzo(a)anthracene	7	NA	-	-	-	0.24	-	-	-	-	**9.6**	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	1.5	ND (0.42)
Benzo(a)pyrene	2	NA	-	-	-	0.21	-	-	-	-	**7.3**	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	1.2	ND (0.42)
Benzo(b)fluoranthene	7	NA	-	-	-	0.29	-	-	-	-	**9.4**	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	1.7	ND (0.42)
Benzo(g,h,i)perylene	1000	NA	-	-	-	ND (0.18)	-	-	-	-	3.4	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.48	ND (0.42)
Benzo(k)fluoranthene	70	NA	-	-	-	ND (0.18)	-	-	-	-	4.4	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.6	ND (0.42)
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Butyl benzylphthalate	100	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Chrysene	70	NA	-	-	-	0.29	-	-	-	-	9.2	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	1.6	ND (0.42)
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.18)	-	-	-	-	**1.5**	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Dibenzofuran	100	NA	-	-	-	ND (0.36)	-	-	-	-	1.3	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.37	ND (0.42)
Diethyl phthalate	10	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Di-n-butylphthalate	50	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Di-n-octyl phthalate	1000	NA	-	-	-	ND (0.71)	-	-	-	-	ND (0.76)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Fluoranthene	1000	NA	-	-	-	0.43	-	-	-	-	20	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	4	ND (0.42)
Fluorene	1000	NA	-	-	-	ND (0.18)	-	-	-	-	2.3	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.42	ND (0.42)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	ND (0.18)	-	-	-	-	3.9	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	0.63	ND (0.42)
Isophorone	100	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Naphthalene	4	NA	-	-	-	ND (0.18)	-	-	-	-	0.8	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Pentachlorophenol	3	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Phenanthrene	10	NA	-	-	-	0.32	-	-	-	-	**16**	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	3.8	ND (0.42)
Phenol	1	NA	-	-	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)
Pyrene	1000	NA	-	-	-	0.51	-	-	-	-	19	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	3.1	ND (0.42)
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	2.29	-	-	-	-	115.54	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	20.86	ND

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			R16	R16	R16	R17	R17	R17	R17	R17	R18	R18	R18	R18	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S5	S6	S6
Sample Name			R16_S2_2.7-3.7	R16_S3_3.7-5.7	R16_S4_5.7-7.7	R17_S1_1-6	R17_S2_1-2	R17_S3_2-4	R17_S4_4-6	R17_S5_6-8	R18_S1_0.5-6.0	R18_S2_0.5-6.0	R18_S3_2-4	S5_S1_1.2-5.0	S5_S7_5-15	S5_S2_5.6-7.6	S5_S3_7.6-9.6	S5_S4_9.6-11.6	S5_S5_11.6-13.6	S5_S6_13.6-15.6	S5_S8_15.6-17.6	S5_S9_17.6-19.6	S5_S10_19.6-21.6	S5_S11_21.6-23.6	S5_S12_23.6-25.6	S6_S1_1.3-3.9	S6_S7_3.9-14.9
Sample Date			12/08/2015	12/08/2015	12/08/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/09/2010	06/09/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15L0384-01	15L0384-02	15L0384-03	15A0729-01	15A0729-02	15A0729-03	15B0076-01	15B0076-02	15A0725-01 15A0725-01RE1	15A0725-02	15A0725-03	133820-35 133820-43 133820-51	133820-40 133820-44 133820-52 134052-2	133820-6	133820-7	133820-8	133820-9	133820-10	133820-11	133820-12	133820-13	133820-14	133820-15	133766-56 133766-64 133766-73 134055-4	133766-52 133766-65 133766-74 134055-8
Sample Depth (bgs)			2.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	0.5 - 6 (ft)	2 - 4 (ft)	1.2 - 5 (ft)	5 - 15 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	1.3 - 3.9 (ft)	3.9 - 14.9 (ft)
Sample Elevation (ft BCB)			15 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 12	17.5 to 12	16 to 14	14.5 to 10.7	10.7 to 0.7	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9	-3.9 to -5.9	-5.9 to -7.9	-7.9 to -9.9	14.7 to 12.1	12.1 to 1.1
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL/MARINE DEPOSITS	FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	380	-	-	-	-	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	34	ND (39)	-	-	-	-	-	-	-	-	-	-	220	ND (38)
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	37	ND (39)	-	-	-	-	-	-	-	-	-	-	330	ND (38)
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (32)	ND (39)	-	-	-	-	-	-	-	-	-	-	63	ND (38)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (32)	ND (39)	-	-	-	-	-	-	-	-	-	-	ND (33)	ND (38)
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	2.3	4.1	-	-	-	-	-	-	-	-	-	-	13	4.3
Arsenic	20	NA	-	-	-	3.8	-	-	-	-	3.6	-	-	ND (3.3)	3.9	-	-	-	-	-	-	-	-	-	-	ND (3.4)	5.6
Barium	1000	NA	-	-	-	32	-	-	-	-	53	-	-	25	69	-	-	-	-	-	-	-	-	-	-	56	110
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.38)
Cadmium	70	NA	-	-	-	0.54	-	-	-	-	0.59	-	-	0.65	1.4	-	-	-	-	-	-	-	-	-	-	1.9	1.8
Chromium	100	NA	-	-	-	15	-	-	-	-	15	-	-	11	40	-	-	-	-	-	-	-	-	-	-	13	58
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	200	NA	-	-	-	50	-	-	-	-	68	-	-	50	23	-	-	-	-	-	-	-	-	-	-	**210**	15
Mercury	20	NA	-	-	-	0.069	-	-	-	-	0.095	-	-	0.029	0.038	-	-	-	-	-	-	-	-	-	-	0.46	0.11
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	9.8	26	-	-	-	-	-	-	-	-	-	-	15	38
Selenium	400	NA	-	-	-	ND (5.2)	-	-	-	-	ND (5.5)	-	-	ND (5.5)	7.5	-	-	-	-	-	-	-	-	-	-	7.7	ND (6.4)
Silver	100	NA	-	-	-	ND (0.52)	-	-	-	-	ND (0.55)	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (6.4)	-	-	-	-	-	-	-	-	-	-	ND (5.7)	ND (6.4)
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	16	53	-	-	-	-	-	-	-	-	-	-	21	81
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	38	72	-	-	-	-	-	-	-	-	-	-	83	88
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.46)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.46)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.46)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.46)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1248 (PCB-1248)	1	NA	0.61	0.16	0.17	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1254 (PCB-1254)	1	NA	**1.8**	0.51	0.56	-	ND (0.1)	**1.2**	ND (0.12)	ND (0.13)	-	0.13	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1260 (PCB-1260)	1	NA	**1.1**	0.35	0.4	-	ND (0.1)	0.43	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.46)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.46)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.045)	-	ND (0.059)	ND (0.053)	ND (0.051)	ND (0.052)	ND (0.059)	ND (0.049)	ND (0.061)	ND (0.049)	ND (0.065)	ND (0.063)	ND (0.045)	-
SUM of PCBs	1	NA	**3.51**	**1.02**	**1.13**	-	ND	**1.63**	ND	ND	-	0.13	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Other																											
Percent Solids, vol. (%wt)	NA	NA	87.2	81.9	88.5	94.3	94.9	92.8	85.9	77.4	88.2	93	84.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (4)	-	-	-	-	ND (3.9)	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (20)	-	-	-	-	ND (20)	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	-	-	85	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	NI	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	8.4	-	-	-	-	11	-	-	7	7.7	-	-	-	-	-	-	-	-	-	-	7.9	8.1
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	2.5	ND (2.1)	-	-	-	-	-	-	-	-	-	-	2.9	ND (1.4)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	2.7	ND (2.1)	-	-	-	-	-	-	-	-	-	-	3	ND (1.4)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (2.1)	-	-	-	-	-	-	-	-	-	-	4.6	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (2.1)	-	-	-	-	-	-	-	-	-	-	5.5	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	2.5	ND (2.1)	-	-	-	-	-	-	-	-	-	-	10	ND (1.4)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S6	S6	S6	S6	S6	S6	S6	S6	S6	S6	S8	S8	S8	S8	S8	S8	S8	S8	S8	S8	S8	S8	S9	S9
Sample Name			S6_S2_4.0-6.0	S6_S3_6.0-8.0	S6_S4_8.0-10.0	S6_S5_10.0-12.0	S6_S6_12.0-14.0	S6_S8_14-16	S6_S9_16-18	S6_S10_18-20	S6_S11_20-22	S6_S12_22-24	S8_S1_1-4.3	S8_S2_4.3-6.3	S8_S7_4.3-14.3	S8_S3_6.3-8.3	S8_S4_8.3-10.3	S8_S5_10.3-12.3	S8_S6_12.3-14.3	S8_S8_14.3-16.3	S8_S9_16.3-18.3	S8_S10_18.3-20.3	X8_S10_18.3-20.3	S8_S11_20.3-22.3	S9_S3_2.5-3.2	S9_S4_3.2-5.2
Sample Date			06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	03/03/2015	03/03/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133766-43	133766-44	133766-45	133766-46	133766-47	133820-1	133820-2	133820-3	133820-4	133820-5	138916-16 138916-39 138916-51 139127-1	138916-6	138916-24 138916-40 138916-52 139127-12	138916-7	138916-8	138916-9	138916-10	138916-11	138916-12	138916-13	138916-15	138916-14	15C0078-03	15C0078-04
Sample Depth (bgs)			4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	1 - 4.3 (ft)	4.3 - 6.3 (ft)	4.3 - 14.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	2.5 - 3.2 (ft)	3.2 - 5.2 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	15.3 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-2 to -4	-4 to -6	14.8 to 14.1	14.1 to 12.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL/HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.27)	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.068)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	0.46	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	0.42	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	0.92	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	0.44	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	0.85	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	0.68	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	0.63	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	4.4	-	ND	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S6	S6	S6	S6	S6	S6	S6	S6	S6	S6	S8	S8	S8	S8	S8	S8	S8	S8	S8	S8	S8	S9	S9
Sample Name			S6_S2_4.0-6.0	S6_S3_6.0-8.0	S6_S4_8.0-10.0	S6_S5_10.0-12.0	S6_S6_12.0-14.0	S6_S8_14-16	S6_S9_16-18	S6_S10_18-20	S6_S11_20-22	S6_S12_22-24	S8_S1_1-4.3	S8_S2_4.3-6.3	S8_S7_4.3-14.3	S8_S3_6.3-8.3	S8_S4_8.3-10.3	S8_S5_10.3-12.3	S8_S6_12.3-14.3	S8_S8_14.3-16.3	S8_S9_16.3-18.3	S8_S10_18.3-20.3	X8_S10_18.3-20.3	S8_S11_20.3-22.3	S9_S3_2.5-3.2	S9_S4_3.2-5.2
Sample Date			06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	03/03/2015	03/03/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133766-43	133766-44	133766-45	133766-46	133766-47	133820-1	133820-2	133820-3	133820-4	133820-5	138916-16 138916-39 138916-51 139127-1	138916-6	138916-24 138916-40 138916-52 139127-12	138916-7	138916-8	138916-9	138916-10	138916-11	138916-12	138916-13	138916-15	138916-14	15C0078-03	15C0078-04
Sample Depth (bgs)			4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	1 - 4.3 (ft)	4.3 - 6.3 (ft)	4.3 - 14.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	2.5 - 3.2 (ft)	3.2 - 5.2 (ft)
Sample Elevation (ft BCB)			12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	15.3 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-2 to -4	-4 to -6	14.8 to 14.1	14.1 to 12.1
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL/HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	200	-	ND (25)	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	220	-	ND (25)	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	150	-	ND (25)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	24	-	ND (25)	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	4.4	-	3.7	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	**35**	-	ND (3.8)	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	86	-	62	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	1.4	-	1.1	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	17	-	36	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	110	-	15	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	0.4	-	0.21	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	20	-	24	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	ND (6.1)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	ND (6.1)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	50	-	59	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	31	-	59	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	0.22	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	0.21	ND (0.048)	-	0.13	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.05)	ND (0.051)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)	ND (0.065)	ND (0.057)	ND (0.048)	ND (0.048)	-	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.047)	ND (0.056)	ND (0.047)	ND (0.071)	ND (0.12)	ND (0.12)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43	ND	-	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.1	82.2
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	6.9	-	6.9	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S9	S11	S11	S11	S11	S12	S12	S12	S12	S12	S13	S13	S13	S13	S13	S13	S13	S13	S13	S13	S14	S14	S14	S14
Sample Name			S9_S5_5.2-7.2	S11_S1_0-0.9	S11_S2_0.9-2.9	S11_S3_2.9-4.9	S11_S4_4.9-6.9	S12_S1_0.3-5.3	S12_S2_0.3-1.3	S12_S3_1.3-3.3	S12_S4_3.3-5.3	S12_S5_5.3-7.3	S13_S1_0.4-5.5	S13_S7_5.5-16	S13_S2_6-8	S13_S3_8-10	S13_S4_10-12	S13_S5_12-14	S13_S6_14-16	S13_S8_16-18	S13_S9_18-20	S13_S10_20-22	S13_S11_22-24	S14_S1_0-7.2	S14_S2_7.2-9.2	S14_S7_7.2-17.2	S14_S3_9.2-11.2
Sample Date			03/03/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																								
Lab Sample ID			15C0078-05	15K1179-04	15K1179-05	15K1179-06	15K1179-07	15B0265-01	15B0265-02	15B0265-03	15B0623-01	15B0623-02	133923-20 133923-20RA1 133923-66 133923-77	133923-26 133923-73 133923-85	133923-21	133923-22	133923-23	133923-24	133923-25	133923-30	133923-27	133923-28	133923-29	133973-34 133973-51 133973-51RA1 133973-58	133973-35	133973-40 133973-52 133973-59 134179-2	133973-36
Sample Depth (bgs)			5.2 - 7.2 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.4 - 5.5 (ft)	5.5 - 16 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 7.2 (ft)	7.2 - 9.2 (ft)	7.2 - 17.2 (ft)	9.2 - 11.2 (ft)
Sample Elevation (ft BCB)			12.1 to 10.1	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	16.7 to 11.6	11.6 to 1.1	11.1 to 9.1	9.1 to 7.1	7.1 to 5.1	5.1 to 3.1	3.1 to 1.1	1.1 to -0.9	-0.9 to -2.9	-2.9 to -4.9	-4.9 to -6.9	17.2 to 10	10 to 8	10 to 0	8 to 6
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	0.4	-	0.023	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	1.8	-	0.17	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	1.6	-	0.039	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	**2**	-	0.042	-
Acetone	6	NA	-	-	-	-	-	ND (0.098)	-	-	-	-	ND (0.43)	ND (0.22)	-	-	-	-	-	-	-	-	-	ND (2.5)	-	ND (0.29)	-
Benzene	2	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Chlorobenzene	1	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	**10**	-	0.06	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	**ND (0.25)**	-	ND (0.007)	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Ethylbenzene	40	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Isopropylbenzene	1000	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
m,p-Xylenes	NA	NA	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	**ND (0.25)**	-	ND (0.007)	-
Methylene chloride	0.1	NA	-	-	-	-	-	ND (0.0098)	-	-	-	-	**ND (0.11)**	ND (0.056)	-	-	-	-	-	-	-	-	-	**ND (1)**	-	ND (0.072)	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.0098)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
n-Propylbenzene	100	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
o-Xylene	NA	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Styrene	3	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Tetrachloroethene	1	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Toluene	30	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
Trichloroethene	0.3	NA	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.007)	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	ND	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	15.8	-	0.334	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	**2.2**	-	**16**	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	1	-	ND (0.79)	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	**1.3**	-	**ND (0.79)**	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	**ND (0.79)**	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	**ND (0.79)**	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	**ND (0.81)**	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	**ND (0.79)**	-
2-Methylphenol	500	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Acenaphthene	4	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Acenaphthylene	1	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Acetophenone	NA	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Aniline	NA	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Anthracene	1000	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	1	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	0.64	-	ND (0.79)	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	0.82	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	0.6	-	ND (0.79)	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	1.2	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	0.72	-	ND (0.79)	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	0.47	-	ND (0.79)	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Chrysene	70	NA	-	-	-	-	-	1	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	0.61	-	ND (0.79)	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	**ND (0.81)**	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	**ND (0.79)**	-
Dibenzofuran	100	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Diethyl phthalate	10	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	ND (3.2)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Fluoranthene	1000	NA	-	-	-	-	-	2.3	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	1.5	-	ND (0.79)	-
Fluorene	1000	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Isophorone	100	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Naphthalene	4	NA	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Pentachlorophenol	3	NA	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Phenanthrene	10	NA	-	-	-	-	-	1.2	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	0.88	-	ND (0.79)	-
Phenol	1	NA	-	-	-	-	-	**ND (1.6)**	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	ND (0.79)	-
Pyrene	1000	NA	-	-	-	-	-	1.8	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	1.3	-	ND (0.79)	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	9.32	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	11.22	-	16	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S9	S11	S11	S11	S11	S12	S12	S12	S12	S12	S13	S13	S13	S13	S13	S13	S13	S13	S13	S13	S14	S14	S14	S14
Sample Name			S9_S5_5.2-7.2	S11_S1_0-0.9	S11_S2_0.9-2.9	S11_S3_2.9-4.9	S11_S4_4.9-6.9	S12_S1_0.3-5.3	S12_S2_0.3-1.3	S12_S3_1.3-3.3	S12_S4_3.3-5.3	S12_S5_5.3-7.3	S13_S1_0.4-5.5	S13_S7_5.5-16	S13_S2_6-8	S13_S3_8-10	S13_S4_10-12	S13_S5_12-14	S13_S6_14-16	S13_S8_16-18	S13_S9_18-20	S13_S10_20-22	S13_S11_22-24	S14_S1_0-7.2	S14_S2_7.2-9.2	S14_S7_7.2-17.2	S14_S3_9.2-11.2
Sample Date			03/03/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15C0078-05	15K1179-04	15K1179-05	15K1179-06	15K1179-07	15B0265-01	15B0265-02	15B0265-03	15B0623-01	15B0623-02	133923-20 133923-20RA1 133923-66 133923-77	133923-26 133923-73 133923-85	133923-21	133923-22	133923-23	133923-24	133923-25	133923-30	133923-27	133923-28	133923-29	133973-34 133973-51 133973-51RA1 133973-58	133973-35	133973-40 133973-52 133973-59 134179-2	133973-36
Sample Depth (bgs)			5.2 - 7.2 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.4 - 5.5 (ft)	5.5 - 16 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 7.2 (ft)	7.2 - 9.2 (ft)	7.2 - 17.2 (ft)	9.2 - 11.2 (ft)
Sample Elevation (ft BCB)			12.1 to 10.1	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	16.7 to 11.6	11.6 to 1.1	11.1 to 9.1	9.1 to 7.1	7.1 to 5.1	5.1 to 3.1	3.1 to 1.1	1.1 to -0.9	-0.9 to -2.9	-2.9 to -4.9	-4.9 to -6.9	17.2 to 10	10 to 8	10 to 0	8 to 6
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	47	47	-	-	-	-	-	-	-	-	-	79	-	320	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	56	53	-	-	-	-	-	-	-	-	-	87	-	340	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	46	52	-	-	-	-	-	-	-	-	-	100	-	180	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (32)	ND (37)	-	-	-	-	-	-	-	-	-	ND (38)	-	40	-
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.3)	-	2	-
Arsenic	20	NA	-	-	-	-	-	12	-	-	-	-	ND (3.3)	12	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (3.7)	-
Barium	1000	NA	-	-	-	-	-	72	-	-	-	-	84	36	-	-	-	-	-	-	-	-	-	30	-	58	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.4)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.37)	-
Cadmium	70	NA	-	-	-	-	-	0.92	-	-	-	-	0.83	1.5	-	-	-	-	-	-	-	-	-	0.69	-	1.2	-
Chromium	100	NA	-	-	-	-	-	14	-	-	-	-	9.9	8.6	-	-	-	-	-	-	-	-	-	12	-	35	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	200	NA	-	-	-	-	-	110	-	-	-	-	93	28	-	-	-	-	-	-	-	-	-	87	-	32	-
Mercury	20	NA	-	-	-	-	-	0.53	-	-	-	-	ND (0.018)	ND (0.022)	-	-	-	-	-	-	-	-	-	0.55	-	0.14	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	6.2	9.8	-	-	-	-	-	-	-	-	-	12	-	23	-
Selenium	400	NA	-	-	-	-	-	ND (5.9)	-	-	-	-	ND (5.5)	ND (6.6)	-	-	-	-	-	-	-	-	-	ND (6.6)	-	ND (6.1)	-
Silver	100	NA	-	-	-	-	-	ND (0.59)	-	-	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.2)	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (6.6)	-	-	-	-	-	-	-	-	-	ND (6.6)	-	ND (6.1)	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	13	18	-	-	-	-	-	-	-	-	-	16	-	43	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	50	40	-	-	-	-	-	-	-	-	-	110	-	65	-
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.13)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**ND (5)**	**ND (1.1)**	-	**ND (540)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.13)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**ND (5)**	**ND (1.1)**	-	**ND (540)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.13)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**ND (5)**	**ND (1.1)**	-	**ND (540)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.13)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**ND (5)**	**ND (1.1)**	-	**ND (540)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.13)	ND (0.1)	**1**	ND (0.12)	ND (0.12)	-	0.98	**2.7**	0.13	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**ND (5)**	**ND (1.1)**	-	**ND (540)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.13)	ND (0.1)	**2.2**	ND (0.12)	ND (0.12)	-	0.51	**2.2**	0.14	ND (0.11)	**5.6**	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**ND (5)**	**ND (1.1)**	-	**ND (540)**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.13)	ND (0.1)	**1.8**	ND (0.12)	ND (0.12)	-	0.31	**2.7**	0.22	ND (0.11)	**1.8**	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	**21**	**6.2**	-	**3900**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.13)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	ND (5)	ND (1.1)	-	ND (540)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.13)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.067)	ND (5)	ND (1.1)	-	ND (540)
SUM of PCBs	1	NA	ND	ND	**5**	ND	ND	-	**1.8**	**7.6**	0.49	ND	**7.4**	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	**21**	**6.2**	-	**3900**
Other																										
Percent Solids, vol. (%wt)	NA	NA	77.3	95	96.4	81.8	80.1	83.4	92.9	90.5	83.4	92.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	ND (4)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	8	-	-	-	-	6.7	7	-	-	-	-	-	-	-	-	-	7	-	8.3	-
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (1.4)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (1.4)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	13	-	3.4	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	7.7	-	ND (1.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	21	-	3.3	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S14	S14	S14	S14	S14	S14	S14	S14	S14A	S14A	S14A	S14A	S14A	S14A	S15	S15	S15	S15	S15	S15	S15	S15	S15
Sample Name			S14_S4_11.2-13.2	S14_S5_13.2-15.2	S14_S6_15.2-17.2	S14_S8_17.2-19.2	S14_S9_19.2-21.2	S14_S10_21.2-23.2	S14_S11_23.2-25.2	S14_S11_25.2-27.2	S14a_S1_1.0-5.0	S14a_S2_5-10	S14A_S3_10-15	S14A_S4_15-20	S14A_S5_20-23.5	S14A_S6_23.5-27	S15_S1_0-6.3	S15_S2_6.3-7.3	S15_S3_7.3-9.3	S15_S4_9.3-11.3	S15_S5_11.3-13.3	S15_S6_13.3-15.3	S15_S8_6.3-16.3	S15_S7_15.3-17.3	S15_S9_17.3-19.3
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	01/03/2011	01/03/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID			133973-37 133973-37RA1	133973-38	133973-39	133973-41 133973-41RA1	133973-42	133973-43	133973-44 133973-44RA1	133973-45	138916-18 138916-35 138916-47	138916-19 138916-36 138916-48 139127-2 139127-9	138940-33 138940-44 138940-54 139113-6	138940-34 138940-45 138940-55 139113-7	138940-37 138940-46 138940-56 139113-3 139113-8	138940-38 138940-47 138940-57 139113-9	133875-52 133875-52RA1 133875-64 133875-73 134056-2	133875-29	133875-30	133875-31	133875-32	133875-33	133923-10 133923-64 133923-75 134174-5	133923-9	133923-11
Sample Depth (bgs)			11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	25.2 - 27.2 (ft)	1 - 5 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	20 - 23.5 (ft)	23.5 - 27 (ft)	0 - 6.3 (ft)	6.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	6.3 - 16.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	16.2 to 12.2	12.2 to 7.2	7.2 to 2.2	2.2 to -2.8	-2.8 to -6.3	-6.3 to -9.8	17.3 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 1	11 to 1	2 to 0	0 to -2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.27)	ND (0.23)	ND (0.25)	ND (0.35)	ND (0.64)	ND (2.9)	-	-	-	-	-	ND (0.28)	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	0.012	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	**ND (0.29)**	-	-	-	-	-	ND (0.007)	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	**ND (0.29)**	-	-	-	-	-	ND (0.007)	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	ND (0.051)	ND (0.067)	ND (0.058)	ND (0.061)	ND (0.087)	**ND (0.16)**	**ND (1.2)**	-	-	-	-	-	ND (0.069)	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	0.018	ND (0.016)	0.52	-	-	-	-	-	ND (0.007)	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	ND	0.012	ND	0.018	ND	0.52	-	-	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.95	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.49	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	**0.85**	ND (0.44)	ND (0.46)	ND (0.46)	**ND (0.79)**	**ND (0.72)**	-	-	-	-	-	ND (0.43)	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	**ND (0.79)**	**ND (0.72)**	-	-	-	-	-	ND (0.43)	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	**ND (0.79)**	**ND (0.72)**	-	-	-	-	-	ND (0.43)	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	**ND (0.79)**	**ND (0.72)**	-	-	-	-	-	ND (0.43)	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	0.74	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	0.45	ND (0.46)	0.8	ND (0.79)	ND (0.72)	-	-	-	-	-	0.94	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.57	0.6	ND (0.46)	1.4	ND (0.79)	ND (0.72)	-	-	-	-	-	0.77	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.45	0.45	ND (0.46)	1.1	ND (0.79)	ND (0.72)	-	-	-	-	-	0.65	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.54	0.54	ND (0.46)	1.3	ND (0.79)	ND (0.72)	-	-	-	-	-	0.69	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	0.53	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.5	0.52	ND (0.46)	1.2	ND (0.79)	ND (0.72)	-	-	-	-	-	0.75	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	**ND (0.79)**	**ND (0.72)**	-	-	-	-	-	ND (0.43)	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	1.2	1.3	1	2.4	ND (0.79)	1	-	-	-	-	-	2.1	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	0.62	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	0.58	ND (0.79)	ND (0.72)	-	-	-	-	-	1.1	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)	ND (1.7)	ND (1.8)	ND (1.8)	**ND (3.1)**	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	ND (0.36)	1.1	1	1.4	1.2	ND (0.79)	0.84	-	-	-	-	-	2.8	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	ND (0.36)	0.97	0.93	0.77	1.7	ND (0.79)	0.86	-	-	-	-	-	1.7	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	ND	7.62	5.79	3.17	12.95	ND	2.7	-	-	-	-	-	12.12	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S14	S14	S14	S14	S14	S14	S14	S14	S14A	S14A	S14A	S14A	S14A	S14A	S15	S15	S15	S15	S15	S15	S15	S15
Sample Name			S14_S4_11.2-13.2	S14_S5_13.2-15.2	S14_S6_15.2-17.2	S14_S8_17.2-19.2	S14_S9_19.2-21.2	S14_S10_21.2-23.2	S14_S11_23.2-25.2	S14_S11_25.2-27.2	14a_S1_1.0-5.0	14a_S2_5-10	14A_S3_10-15	14A_S4_15-20	14A_S5_20-23.5	14A_S6_23.5-27	S15_S1_0-6.3	S15_S2_6.3-7.3	S15_S3_7.3-9.3	S15_S4_9.3-11.3	S15_S5_11.3-13.3	S15_S6_13.3-15.3	S15_S8_6.3-16.3	S15_S7_15.3-17.3	S15_S9_17.3-19.3
Sample Date			06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	01/03/2011	01/03/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133973-37 133973-37RA1	133973-38	133973-39	133973-41 133973-41RA1	133973-42	133973-43	133973-44 133973-44RA1	133973-45	138916-18 138916-35 138916-47	138916-19 138916-36 138916-48 139127-2 139127-9	138940-33 138940-44 138940-54 139113-6	138940-34 138940-45 138940-55 139113-7	138940-37 138940-46 139113-3 139113-8	138940-38 138940-47 138940-57 139113-9	133875-52 133875-52RA1 133875-64 133875-73 134056-2	133875-29	133875-30	133875-31	133875-32	133875-33	133923-10 133923-64 133923-75 134174-5	133923-9	133923-11
Sample Depth (bgs)			11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	25.2 - 27.2 (ft)	1 - 5 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	20 - 23.5 (ft)	23.5 - 27 (ft)	0 - 6.3 (ft)	6.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	6.3 - 16.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)
Sample Elevation (ft BCB)			6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	16.2 to 12.2	12.2 to 7.2	7.2 to 2.2	2.2 to -2.8	-2.8 to -6.3	-6.3 to -9.8	17.3 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 1	11 to 1	2 to 0	0 to -2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	91	57	48	43	100	85	570	-	-	-	-	-	190	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	95	64	56	48	120	89	580	-	-	-	-	-	190	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	66	32	38	ND (28)	41	63	950	-	-	-	-	-	220	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	ND (22)	ND (26)	ND (26)	ND (28)	ND (28)	ND (48)	530	-	-	-	-	-	ND (40)	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	-	-	-	-	-	1.7	4.9	3.4	4.7	4.1	4.2	9	-	-	-	-	-	ND (1.4)	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	5.1	7.4	ND (4.2)	ND (4.2)	ND (4.1)	ND (7.4)	ND (3.4)	-	-	-	-	-	6.4	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	35	83	71	80	100	64	37	-	-	-	-	-	72	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	ND (0.42)	ND (0.42)	ND (0.41)	ND (0.74)	ND (0.34)	-	-	-	-	-	ND (0.41)	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	0.9	14	1.4	1.6	1.7	1.8	1.1	-	-	-	-	-	1.5	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	6.6	32	38	44	47	43	15	-	-	-	-	-	36	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-	ND (1)	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	28	160	52	37	**220**	39	**830**	-	-	-	-	-	53	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	0.062	0.73	0.44	0.15	1.1	0.3	0.31	-	-	-	-	-	0.52	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	11	24	26	29	20	30	16	-	-	-	-	-	23	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	ND (5.5)	ND (6.5)	ND (7)	ND (7)	ND (6.9)	ND (12)	ND (5.7)	-	-	-	-	-	ND (6.8)	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.4)	ND (2.5)	ND (1.1)	-	-	-	-	-	ND (1.4)	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	ND (5.5)	ND (6.5)	ND (7)	ND (7)	ND (6.9)	**ND (12)**	ND (5.7)	-	-	-	-	-	ND (6.8)	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	20	59	57	67	50	71	24	-	-	-	-	-	44	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	36	**1800**	97	83	140	73	89	-	-	-	-	-	78	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	0.6	-	-	ND (0.3)	-	14	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.054)	**ND (510)**	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.054)	**ND (510)**	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.054)	**ND (510)**	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.054)	**ND (510)**	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.054)	**ND (510)**	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.054)	**ND (510)**	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	**3.9**	ND (0.047)	ND (0.047)	0.089	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1260 (PCB-1260)	1	NA	0.88	**610**	0.45	0.87	0.27	0.32 p	**3.1**	0.32	-	-	-	-	-	-	**3.5**	ND (0.047)	ND (0.047)	0.055	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.054)	ND (510)	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.054)	ND (510)	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-	ND (0.065)	ND (0.058)
SUM of PCBs	1	NA	0.88	**610**	0.45	0.87	0.27	0.32	**3.1**	0.32	-	-	-	-	-	-	**7.4**	ND	ND	0.144	ND	ND	-	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	165 >	165 >	165 >	165 >	165 >	165 >	165 >	-	-	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-	-	-	ND (100)	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	410	460	410	510	480	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	7.1	7	6.8	7.1	7	6.9	7.4	-	-	-	-	-	7	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.7)	ND (1.6)	ND (1.8)	ND (1.8)	ND (4.4)	ND (1.1)	-	-	-	-	-	ND (1.6)	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.7)	ND (1.6)	ND (1.8)	ND (1.8)	ND (4.4)	1.2	-	-	-	-	-	ND (1.6)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.7)	ND (1.6)	ND (1.8)	2.2	ND (4.4)	7.8	-	-	-	-	-	ND (1.6)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	1.5	ND (1.7)	ND (1.6)	ND (1.8)	ND (1.8)	ND (4.4)	5.6	-	-	-	-	-	ND (1.6)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	2.4	2.9	ND (1.6)	ND (1.8)	2.9	ND (4.4)	14	-	-	-	-	-	ND (1.6)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S15	S15	S15	S15A	S15A	S15A	S15A	S15A	S16	S16	S16	S16	S17	S17	S17	S17	S18	S18	S18	S18	S18	S18	S18
Sample Name			S15_S10_19.3-21.3	S15_S11_21.3-23.3	S15_S12_23.3-25.3	S15A_S1_0.3-5.3	S15A_S2_0.3-1.3	S15A_S3_1.3-3.3	S15A_S4_3.3-5.3	S15A_S5_5.3-7.3	S16_S1_0.0-1.4	S16_S2_1.4-3.4	S16_S3_3.4-5.4	S16_S4_5.4-7.4	S17_S1_0.6-1.6	S17_S2_1.6-3.6	S17_S3_3.6-5.6	S17_S4_5.6-7.6	S18_S1_0.5-1.7	S18_S2_3.5-5.5	S18_S3_3.5-13.5	S18_S3_5.5-7.5	S18_S4_7.5-9.5	S18_S5_9.5-11.5	S18_S6_11.5-13.5	S18_S7_13.5-15.5
Sample Date			06/14/2010	06/14/2010	06/14/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	11/25/2015	11/25/2015	11/25/2015	11/25/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																							
Lab Sample ID			133923-12	133923-13	133923-14	15B0269-01 15B0269-01RE1	15B0269-02	15B0269-03	15B0624-01	15B0624-02	15K1254-01	15K1254-02	15K1254-03	15K1254-04	15K0704-20	15K0704-21	15K0704-22	15K0704-23	138653-45 138653-46 138653-67	138653-1	138653-47 138653-57 138653-68	138653-2	138653-3	138653-4	138653-5	138653-6
Sample Depth (bgs)			19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.5 - 1.7 (ft)	3.5 - 5.5 (ft)	3.5 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)
Sample Elevation (ft BCB)			-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 15.8	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Acetone	6	NA	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (2.5)	-	-	-	-	-
Benzene	2	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	**ND (0.25)**	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	**ND (0.25)**	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	**ND (1)**	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	0.37	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Styrene	3	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Toluene	30	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.25)	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.37	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	**ND (0.74)**	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	**ND (0.74)**	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	**ND (0.74)**	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Aniline	NA	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Anthracene	1000	NA	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	ND (0.42)	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	0.46	-	ND (0.42)	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-	ND (0.42)	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	0.73	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	0.37	-	ND (0.42)	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Chrysene	70	NA	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	ND (0.42)	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	0.78	-	-	-	-	-
Fluorene	1000	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	0.95	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Isophorone	100	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	0.74	-	0.99	-	-	-	-	-
Phenol	1	NA	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-
Pyrene	1000	NA	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	0.72	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	19.95	-	-	-	-	-	-	-	-	-	-	-	-	5.61	-	2.49	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S15	S15	S15	S15A	S15A	S15A	S15A	S15A	S16	S16	S16	S16	S17	S17	S17	S17	S18	S18	S18	S18	S18	S18	S18
Sample Name			S15_S10_19.3-21.3	S15_S11_21.3-23.3	S15_S12_23.3-25.3	S15A_S1_0.3-5.3	S15A_S2_0.3-1.3	S15A_S3_1.3-3.3	S15A_S4_3.3-5.3	S15A_S5_5.3-7.3	S16_S1_0.0-1.4	S16_S2_1.4-3.4	S16_S3_3.4-5.4	S16_S4_5.4-7.4	S17_S1_0.6-1.6	S17_S2_1.6-3.6	S17_S3_3.6-5.6	S17_S4_5.6-7.6	S18_S1_0.5-1.7	S18_S2_3.5-5.5	S18_S3_3.5-13.5	S18_S3_5.5-7.5	S18_S4_7.5-9.5	S18_S5_9.5-11.5	S18_S6_11.5-13.5	S18_S7_13.5-15.5
Sample Date			06/14/2010	06/14/2010	06/14/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	11/25/2015	11/25/2015	11/25/2015	11/25/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																							
Lab Sample ID			133923-12	133923-13	133923-14	15B0269-01 15B0269-01RE1	15B0269-02	15B0269-03	15B0624-01	15B0624-02	15K1254-01	15K1254-02	15K1254-03	15K1254-04	15K0704-20	15K0704-21	15K0704-22	15K0704-23	138653-45 138653-46 138653-67	138653-1	138653-47 138653-57 138653-68	138653-2	138653-3	138653-4	138653-5	138653-6
Sample Depth (bgs)			19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.5 - 1.7 (ft)	3.5 - 5.5 (ft)	3.5 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)
Sample Elevation (ft BCB)			-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 15.8	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	6900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-	84	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	100	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	ND (25)	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (21)	-	ND (25)	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-
Arsenic	20	NA	-	-	-	4.3	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (3.8)	-	-	-	-
Barium	1000	NA	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	27	-	40	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.38)	-	-	-	-
Cadmium	70	NA	-	-	-	0.61	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.55)	-	0.88	-	-	-	-
Chromium	100	NA	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	9.3	-	21	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	**3300**	-	-	-	-	-	-	-	-	-	-	-	-	18	-	38	-	-	-	-
Mercury	20	NA	-	-	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	0.057	-	0.3	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	13	-	-	-	-
Selenium	400	NA	-	-	-	ND (5.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.4)	-	-	-	-
Silver	100	NA	-	-	-	ND (0.54)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.4)	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	34	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	48	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	**ND (2.1)**	ND (0.1)	ND (0.1)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	**ND (2.1)**	ND (0.1)	ND (0.1)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	**ND (2.1)**	ND (0.1)	ND (0.1)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	**ND (2.1)**	ND (0.1)	ND (0.1)	**ND (1.1)**	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	0.25	0.46	**ND (2.1)**	0.19	ND (0.1)	**3.4**	0.12	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	0.16	0.96	**17**	0.35	ND (0.1)	**6.2**	0.31	ND (0.12)	ND (0.1)	0.46	ND (0.12)	ND (0.12)	0.09	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	0.12	**2.4**	**5.4**	0.17	0.11	**3.1**	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.06	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)
SUM of PCBs	1	NA	ND	ND	ND	-	0.53	**3.82**	**22.4**	0.71	0.11	**12.7**	0.43	ND	ND	0.46	ND	ND	0.15	ND	-	ND	ND	ND	ND	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	-	-	-	91.4	94.7	94.2	91.4	94.7	95.5	90.2	95.8	82.1	95.9	91	82.5	80.9	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	8.8	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	6.9	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.5)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S18	S18	T6	T6	T6	T6	T6	T6	T6	T6	T6	T6	T6	T6	T11	T11	T12	T12	T12	T12	T13	T13	T13	T13	T14
Sample Name			S18_S8_15.5-17.5	S18_S9_17.5-19.5	T6_S1_1.2-4.8	T6_S2_4.5-6.5	T6_S10_4.8-14.8	T6_S3_6.5-8.5	T6_S4_8.5-10.5	T6_S5_10.5-12.5	T6_S6_12.5-14.5	T6_S7_14.5-16.5	T6_S8_16.5-18.5	T6_S9_18.5-20.5	T6_S11_20.5-22.5	T6_S12_22.5-24.5	T11_S1_0.5-4.5	T11_S2_0.5-2.5	T12_S1_0-0.5	T12_S2_0.5-2.5	T12_S3_2.5-4.5	T12_S4_4.5-6.5	T13_S1_0-0.6	T13_S2_0.6-2.6	T13_S3_2.6-4.6	T13_S4_4.6-6.6	T14_S1_1-2.3
Sample Date			12/16/2010	12/16/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	02/07/2015	02/07/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	12/16/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			133766-55 133766-62 133766-71		133766-51 133766-63 133766-72																				
Lab Sample ID			138653-7	138653-8	134055-3	133766-33	134055-7	133766-34	133766-35	133766-36	133766-37	133766-38	133766-39	133766-40	133766-41	133766-42	15B0266-01 15D0958-01	15B0266-02	15K1179-17	15K1179-18	15K1179-19	15K1179-20	15K1182-03	15K1182-04	15K1182-05	15K1182-06	138653-18
Sample Depth (bgs)			15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	1.2 - 4.8 (ft)	4.5 - 6.5 (ft)	4.8 - 14.8 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.5 - 4.5 (ft)	0.5 - 2.5 (ft)	0 - 0.5 (ft)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	1 - 2.3 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	14.5 to 10.9	11.2 to 9.2	10.9 to 0.9	9.2 to 7.2	7.2 to 5.2	5.2 to 3.2	3.2 to 1.2	1.2 to -0.8	-0.8 to -2.8	-2.8 to -4.8	-4.8 to -6.8	-6.8 to -8.8	16 to 12	16 to 14	16.5 to 16	16 to 14	14 to 12	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10	16 to 14.7
Soil Description			HYDRAULIC FILL	MARINE DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.068)	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	ND (0.051)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	0.53	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	0.71	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	0.49	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	1.7	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	1.8	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.41	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	3.5	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.43	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	0.56	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.33	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	1.1	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	2.3	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.42	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	0.43	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	3.1	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	0.91	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.27	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	0.56	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	1.4	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	2.3	-	ND (0.42)	-	-	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	21.39	-	ND	-	-	-	-	-	-	-	-	-	4.17	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			S18	S18	T6	T6	T6	T6	T6	T6	T6	T6	T6	T6	T6	T6	T11	T11	T12	T12	T12	T12	T13	T13	T13	T13	T14
Sample Name			S18_S8_15.5-17.5	S18_S9_17.5-19.5	T6_S1_1.2-4.8	T6_S2_4.5-6.5	T6_S10_4.8-14.8	T6_S3_6.5-8.5	T6_S4_8.5-10.5	T6_S5_10.5-12.5	T6_S6_12.5-14.5	T6_S7_14.5-16.5	T6_S8_16.5-18.5	T6_S9_18.5-20.5	T6_S11_20.5-22.5	T6_S12_22.5-24.5	T11_S1_0.5-4.5	T11_S2_0.5-2.5	T12_S1_0-0.5	T12_S2_0.5-2.5	T12_S3_2.5-4.5	T12_S4_4.5-6.5	T13_S1_0-0.6	T13_S2_0.6-2.6	T13_S3_2.6-4.6	T13_S4_4.6-6.6	T14_S1_1-2.3
Sample Date			12/16/2010	12/16/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	02/07/2015	02/07/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	12/16/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138653-7	138653-8	133766-55 133766-62 133766-71 134055-3	133766-33	133766-51 133766-63 133766-72 134055-7	133766-34	133766-35	133766-36	133766-37	133766-38	133766-39	133766-40	133766-41	133766-42	15B0266-01 15D0958-01	15B0266-02	15K1179-17	15K1179-18	15K1179-19	15K1179-20	15K1182-03	15K1182-04	15K1182-05	15K1182-06	138653-18
Sample Depth (bgs)			15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	1.2 - 4.8 (ft)	4.5 - 6.5 (ft)	4.8 - 14.8 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.5 - 4.5 (ft)	0.5 - 2.5 (ft)	0 - 0.5 (ft)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	1 - 2.3 (ft)
Sample Elevation (ft BCB)			2 to 0	0 to -2	14.5 to 10.9	11.2 to 9.2	10.9 to 0.9	9.2 to 7.2	7.2 to 5.2	5.2 to 3.2	3.2 to 1.2	1.2 to -0.8	-0.8 to -2.8	-2.8 to -4.8	-4.8 to -6.8	-6.8 to -8.8	16 to 12	16 to 14	16.5 to 16	16 to 14	14 to 12	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10	16 to 14.7
Soil Description			HYDRAULIC FILL	MARINE DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	190	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	220	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	160	-	ND (39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (34)	-	ND (39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	9	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	ND (3.3)	-	9.8	-	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	43	-	94	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	ND (0.33)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	1.4	-	2.1	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	18	-	54	-	-	-	-	-	-	-	-	-	8.1	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	140	-	78	-	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	0.14	-	0.097	-	-	-	-	-	-	-	-	-	0.073	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	13	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	6.3	-	ND (6.6)	-	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (0.61)	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	ND (5.5)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	24	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	79	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	**ND (4.4)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	**ND (4.4)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	**ND (4.4)**
Aroclor-1242 (PCB-1242)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	**ND (4.4)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	0.4	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	**28**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	0.56	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	**ND (4.4)**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	0.39	ND (0.12)	ND (0.12)	ND (0.1)	0.18	ND (0.13)	ND (0.13)	**13**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	ND (4.4)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.048)	ND (0.058)	ND (0.045)	ND (0.04)	-	ND (0.052)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)	ND (4.4)
SUM of PCBs	1	NA	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	**1.35**	ND	ND	ND	0.18	ND	ND	**41**
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.3	95.1	97.4	96.6	84.4	81.3	97.1	85.2	77.4	75.2	-
Ignitability (Deg F)	NA	NA	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	7.9	-	8.1	-	-	-	-	-	-	-	-	-	8.7	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	2.2	-	ND (2.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	2.3	-	ND (2.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.4)	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.4)	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	2.4	-	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T15	T15	T15	T15	T15	T15	T15	T15	T15	T15	T15	T16	T16	T16
Sample Name			T14_S2_1-5	T14_S3_3.5-5.0	T14_S4_5-7	T14_S7_5-10	T14_S5_7-9	T14_S6_9-11	T14_S9_10-15	T14_S8_11-13	T14_S10_13-15	T14_S11_15-17	T14_S13_15-20	T14_S12_17-19	T15_S1_1-5	T15_S2_5-7	T15_S4_5-10	T15_S3_7-9	T15_S5_9-11	T15_S7_10-15	T15_S6_11-13	T15_S8_13-15	T15_S9_15-17	T15_S10_17-19	T16_S1_0.0-1.1	T16_S2_1.1-3.1	T16_S3_3.1-5.1
Sample Date			12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	11/25/2015	11/25/2015	11/25/2015
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138653-48 138653-58 138653-69 138803-1	138653-19	138653-20	138653-49 138653-59 138653-70 138803-4	138653-21	138653-22	138653-5	138653-23	138653-24	138653-25	138653-51 138653-61 138653-72 138803-6	138653-26	138653-27 138653-52 138653-62 138653-73	138653-28	138653-53 138653-63 138653-74 138803-7	138653-29	138653-30	138653-54 138653-64 138653-75	138653-31	138653-32	138653-33	138653-34	15K1254-07	15K1254-08	15K1254-09
Sample Depth (bgs)			1 - 5 (ft)	3.5 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 20 (ft)	17 - 19 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)
Sample Elevation (ft BCB)			16 to 12	13.5 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0	2 to -3	0 to -2	16 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0	0 to -2	17.1 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Acetone	6	NA	ND (0.25)	-	-	ND (0.24)	-	-	ND (0.33)	-	-	-	ND (0.21)	-	ND (0.22)	-	ND (0.22)	-	-	ND (0.24)	-	-	-	-	-	-	-
Benzene	2	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Chlorobenzene	1	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Ethylbenzene	40	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	ND (0.064)	-	-	ND (0.061)	-	-	ND (0.082)	-	-	-	ND (0.053)	-	ND (0.054)	-	ND (0.055)	-	-	ND (0.06)	-	-	-	-	-	-	-
Naphthalene	4	NA	0.007	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
o-Xylene	NA	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Styrene	3	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Toluene	30	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	0.007	-	-	ND	-	-	ND	-	-	-	ND	-	ND	-	ND	-	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
2-Methylphenol	500	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Acenaphthene	4	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Acenaphthylene	1	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Acetophenone	NA	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Aniline	NA	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Anthracene	1000	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	ND (0.38)	-	-	0.6	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.43	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	ND (0.38)	-	-	0.51	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.41	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	ND (0.38)	-	-	0.56	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.61	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Carbazole	NA	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Chrysene	70	NA	ND (0.38)	-	-	0.58	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.49	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Dibenzofuran	100	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Fluoranthene	1000	NA	ND (0.38)	-	-	1.1	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.81	-	ND (0.42)	-	-	0.63	-	-	-	-	-	-	-
Fluorene	1000	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Isophorone	100	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Phenanthrene	10	NA	ND (0.38)	-	-	0.77	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.52	-	ND (0.42)	-	-	0.49	-	-	-	-	-	-	-
Phenol	1	NA	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-	-	-	-	-
Pyrene	1000	NA	ND (0.38)	-	-	1	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.69	-	ND (0.42)	-	-	0.6	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	ND	-	-	5.12	-	-	ND	-	-	-	ND	-	3.96	-	ND	-	-	1.72	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T15	T15	T15	T15	T15	T15	T15	T15	T15	T15	T16	T16	T16
Sample Name			T14_S2_1-5	T14_S3_3.5-5.0	T14_S4_5-7	T14_S7_5-10	T14_S5_7-9	T14_S6_9-11	T14_S9_10-15	T14_S8_11-13	T14_S10_13-15	T14_S11_15-17	T14_S13_15-20	T14_S12_17-19	T15_S1_1-5	T15_S2_5-7	T15_S4_5-10	T15_S3_7-9	T15_S5_9-11	T15_S7_10-15	T15_S6_11-13	T15_S8_13-15	T15_S9_15-17	T15_S10_17-19	T16_S1_0.0-1.1	T16_S2_1.1-3.1	T16_S3_3.1-5.1
Sample Date			12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	11/25/2015	11/25/2015	11/25/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	138653-48 138653-58 138653-69			138653-49 138653-59 138653-70			138653-50 138653-60 138653-71				138653-51 138653-61 138653-72		138653-27 138653-52 138653-62		138653-53 138653-63 138653-74			138653-54 138653-64 138653-75							
Lab Sample ID			138803-1	138653-19	138653-20	138803-4	138653-21	138653-22	138803-5	138653-23	138653-24	138653-25	138803-6	138653-26	138653-73	138653-28	138803-7	138653-29	138653-30		138653-31	138653-32	138653-33	138653-34	15K1254-07	15K1254-08	15K1254-09
Sample Depth (bgs)			1 - 5 (ft)	3.5 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 20 (ft)	17 - 19 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)
Sample Elevation (ft BCB)			16 to 12	13.5 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0	2 to -3	0 to -2	16 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0	0 to -2	17.1 to 16	16 to 14	14 to 12
Soil Description			FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	330	-	-	83	-	-	ND (25)	-	-	-	ND (26)	-	92	-	60	-	-	79	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	330	-	-	92	-	-	ND (25)	-	-	-	ND (26)	-	99	-	67	-	-	90	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	340	-	-	45	-	-	ND (25)	-	-	-	ND (26)	-	140	-	38	-	-	62	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	55	-	-	ND (27)	-	-	ND (25)	-	-	-	ND (26)	-	ND (22)	-	ND (25)	-	-	ND (28)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	ND (1.1)	-	-	ND (1.3)	-	-	1.5	-	-	-	2.6	-	ND (1.1)	-	ND (1.3)	-	-	2.6	-	-	-	-	-	-	-
Arsenic	20	NA	7.6	-	-	ND (4)	-	-	9.5	-	-	-	15	-	ND (3.3)	-	ND (3.9)	-	-	4.2	-	-	-	-	-	-	-
Barium	1000	NA	28	-	-	78	-	-	73	-	-	-	76	-	26	-	56	-	-	65	-	-	-	-	-	-	-
Beryllium	90	NA	ND (0.34)	-	-	ND (0.4)	-	-	ND (0.39)	-	-	-	ND (0.41)	-	ND (0.33)	-	ND (0.39)	-	-	ND (0.41)	-	-	-	-	-	-	-
Cadmium	70	NA	0.64	-	-	2.1	-	-	1.4	-	-	-	1.7	-	0.95	-	1.3	-	-	1.3	-	-	-	-	-	-	-
Chromium	100	NA	7.8	-	-	44	-	-	35	-	-	-	45	-	19	-	30	-	-	28	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	ND (1)	-	-	-	ND (1)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	110	-	-	36	-	-	76	-	-	-	25	-	59	-	74	-	-	92	-	-	-	-	-	-	-
Mercury	20	NA	0.082	-	-	0.78	-	-	0.4	-	-	-	ND (0.022)	-	0.17	-	0.24	-	-	0.24	-	-	-	-	-	-	-
Nickel	600	NA	11	-	-	30	-	-	25	-	-	-	31	-	13	-	19	-	-	18	-	-	-	-	-	-	-
Selenium	400	NA	ND (5.6)	-	-	ND (6.7)	-	-	ND (6.5)	-	-	-	ND (6.9)	-	ND (5.5)	-	ND (6.6)	-	-	ND (6.8)	-	-	-	-	-	-	-
Silver	100	NA	ND (1.1)	-	-	ND (1.3)	-	-	ND (1.3)	-	-	-	ND (1.4)	-	ND (1.1)	-	ND (1.3)	-	-	ND (1.4)	-	-	-	-	-	-	-
Thallium	8	NA	ND (5.6)	-	-	ND (6.7)	-	-	ND (6.5)	-	-	-	ND (6.9)	-	ND (5.5)	-	ND (6.6)	-	-	ND (6.8)	-	-	-	-	-	-	-
Vanadium	400	NA	23	-	-	70	-	-	54	-	-	-	70	-	38	-	48	-	-	47	-	-	-	-	-	-	-
Zinc	1000	NA	34	-	-	79	-	-	83	-	-	-	71	-	64	-	67	-	-	74	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1248 (PCB-1248)	1	NA	-	0.056	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	0.26	ND (0.13)
Aroclor-1260 (PCB-1260)	1	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	**5.4**	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	0.21	ND (0.13)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)
SUM of PCBs	1	NA	-	0.056	ND	-	ND	ND	-	ND	ND	ND	-	ND	**5.4**	ND	-	ND	ND	-	ND	ND	ND	ND	ND	0.47	ND
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.8	86.3	78.6
Ignitability (Deg F)	NA	NA	165 >	-	-	165 >	-	-	165 >	-	-	-	165 >	-	165 >	-	165 >	-	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	-	-	ND (50)	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	-	-	ND (100)	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	410	-	-	450	-	-	-	430	-	-	-	510	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	6.9	-	-	6.9	-	-	7.4	-	-	-	6.9	-	6.9	-	6.8	-	-	6.9	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	5.7	-	ND (1.6)	-	-	ND (1.8)	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	5.8	-	ND (1.6)	-	-	ND (1.8)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	1.6	-	ND (1.6)	-	-	ND (1.8)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	4.9	-	ND (1.6)	-	-	ND (1.8)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1)	-	-	2.1	-	-	ND (1.3)	-	-	-	ND (1.5)	-	6.7	-	ND (1.6)	-	-	ND (1.8)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			T16	T17	T17	T17	T17	T17	U10	U10	U10	U10	U10	U10	U10	U10	U10	U10	U10	U11	U11	U11	U12	U12	U12	U12
Sample Name			T16_S4_5.1-7.1	T17_S1_0-5.3	T17_S2_0-1.3	T17_S3_1.3-3.3	T17_S4_3.3-5.3	T17_S5_5.3-7.3	U10_S1_0.5-4.5	U10_S2_4.5-6.0	U10_S6_4.5-14.5	U10_S3_6-8	U10_S4_8-10	U10_S5_10-12	U10_S6_12-14	U10_S7_14-16	U10_S8_16-18	U10_S9_18-20	U10_S10_20-22	U10_S11_22-24	U11_S1_0-2.1	U11_S2_2.1-4.1	U11_S3_4.1-6.1	U12_S1_0.5-4.5	Z12_S1_0.5-4.5	U12_S2_4.5-6.0	U12_S6_4.5-14.5
Sample Date			11/25/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	11/24/2015	11/24/2015	11/24/2015	12/29/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K1254-10	15A0914-01	15A0709-02	15A0709-03	15B0078-01	15B0078-02	138884-33 138884-50 138884-61 139115-1	138884-1	138884-40 138884-51 138884-62 139115-8	138884-2	138884-3	138884-4	138884-5	138884-6	138884-7	138884-8	138884-9	138884-10	15K1175-18	15K1175-19	15K1179-01	138861-34 138861-34RA1 138861-49 138861-54 139112-1	138861-17	138861-10	138861-44 138861-50 138861-55
Sample Depth (bgs)			5.1 - 7.1 (ft)	0 - 5.3 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.5 - 4.5 (ft)	4.5 - 6 (ft)	4.5 - 14.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.5 - 4.5 (ft)	0.5 - 4.5 (ft)	4.5 - 6 (ft)	4.5 - 14.5 (ft)
Sample Elevation (ft BCB)			12 to 10	17.3 to 12	17.3 to 16	16 to 14	14 to 12	12 to 10	15.5 to 11.5	11.5 to 10	11.5 to 1.5	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	16.1 to 14	14 to 12	12 to 10	15.7 to 11.7	15.7 to 11.7	11.7 to 10.2	11.7 to 1.7
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.0045)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,2,4-Trichlorobenzene	2	NA	-	ND (0.0045)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,2-Dichlorobenzene	9	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,3,5-Trimethylbenzene	10	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,3-Dichlorobenzene	3	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Acetone	6	NA	-	ND (0.11)	-	-	-	-	ND (0.23)	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-	ND (0.24)
Benzene	2	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Chlorobenzene	1	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.0045)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Ethylbenzene	40	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Isopropylbenzene	1000	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
m,p-Xylenes	NA	NA	-	ND (0.0045)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0045)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Methylene chloride	0.1	NA	-	ND (0.011)	-	-	-	-	ND (0.057)	-	ND (0.075)	-	-	-	-	-	-	-	-	-	-	-	ND (0.056)	-	-	ND (0.059)
Naphthalene	4	NA	-	ND (0.011)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
n-Propylbenzene	100	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
o-Xylene	NA	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Styrene	3	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Tetrachloroethene	1	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Toluene	30	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
Trichloroethene	0.3	NA	-	ND (0.0022)	-	-	-	-	ND (0.006)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
1,2-Dichlorobenzene	9	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
1,3-Dichlorobenzene	3	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
2,4-Dimethylphenol	0.7	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
2,4-Dinitrotoluene	0.7	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
2,6-Dinitrotoluene	NA	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
2-Chloronaphthalene	1000	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
2-Methylnaphthalene	0.7	NA	-	ND (0.22)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
2-Methylphenol	500	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
3&4-Methylphenol	NA	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Acenaphthene	4	NA	-	ND (0.22)	-	-	-	-	0.67	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Acenaphthylene	1	NA	-	ND (0.22)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Acetophenone	NA	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Aniline	NA	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Anthracene	1000	NA	-	ND (0.22)	-	-	-	-	1.4	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Benzo(a)anthracene	7	NA	-	0.32	-	-	-	-	2.6	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	0.41	-	-	ND (0.41)
Benzo(a)pyrene	2	NA	-	0.33	-	-	-	-	**2.1**	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Benzo(b)fluoranthene	7	NA	-	0.48	-	-	-	-	2.6	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	0.46	-	-	ND (0.41)
Benzo(g,h,i)perylene	1000	NA	-	ND (0.22)	-	-	-	-	0.89	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Benzo(k)fluoranthene	70	NA	-	ND (0.22)	-	-	-	-	0.86	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
bis(2-Ethylhexyl)phthalate	90	NA	-	0.53	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Butyl benzylphthalate	100	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Carbazole	NA	NA	-	-	-	-	-	-	0.43	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Chrysene	70	NA	-	0.48	-	-	-	-	2.4	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-	ND (0.41)
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.22)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Dibenzofuran	100	NA	-	ND (0.44)	-	-	-	-	0.51	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Diethyl phthalate	10	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Di-n-butylphthalate	50	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Di-n-octyl phthalate	1000	NA	-	ND (0.86)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Fluoranthene	1000	NA	-	0.59	-	-	-	-	4.4	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	0.8	-	-	0.56
Fluorene	1000	NA	-	ND (0.22)	-	-	-	-	0.67	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Indeno(1,2,3-cd)pyrene	7	NA	-	0.22	-	-	-	-	1	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Isophorone	100	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Naphthalene	4	NA	-	ND (0.22)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Pentachlorophenol	3	NA	-	ND (0.44)	-	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	ND (1.5)
Phenanthrene	10	NA	-	0.39	-	-	-	-	3.9	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	0.67	-	-	0.49
Phenol	1	NA	-	ND (0.44)	-	-	-	-	ND (0.4)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)
Pyrene	1000	NA	-	0.63	-	-	-	-	4.7	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	0.74	-	-	0.52
SUM of Semi-Volatile Organic Compounds	NA	NA	-	3.97	-	-	-	-	29.13	-	ND	-	-	-	-	-	-	-	-	-	-	-	3.52	-	-	1.57

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			T16	T17	T17	T17	T17	T17	U10	U10	U10	U10	U10	U10	U10	U10	U10	U10	U10	U11	U11	U11	U12	U12	U12	U12
Sample Name			T16_S4_5.1-7.1	T17_S1_0-5.3	T17_S2_0-1.3	T17_S3_1.3-3.3	T17_S4_3.3-5.3	T17_S5_5.3-7.3	U10_S1_0.5-4.5	U10_S2_4.5-6.0	U10_S6_4.5-14.5	U10_S3_6-8	U10_S4_8-10	U10_S5_10-12	U10_S6_12-14	U10_S7_14-16	U10_S8_16-18	U10_S9_18-20	U10_S10_20-22	U10_S11_22-24	U11_S1_0-2.1	U11_S2_2.1-4.1	U11_S3_4.1-6.1	U12_S1_0.5-4.5	Z12_S1_0.5-4.5	U12_S2_4.5-6.0	U12_S6_4.5-14.5
Sample Date			11/25/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	11/24/2015	11/24/2015	11/24/2015	12/29/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15K1254-10	15A0709-01 15A0914-01	15A0709-02	15A0709-03	15B0078-01	15B0078-02	138884-33 138884-50 138884-61 139115-1	138884-1	138884-62 139115-8	138884-2	138884-3	138884-4	138884-5	138884-6	138884-7	138884-8	138884-9	138884-10	15K1175-18	15K1175-19	15K1179-01	138861-34 138861-34RA1 138861-49 138861-54 139112-1	138861-17	138861-10	138861-44 138861-50 138861-55
Sample Depth (bgs)			5.1 - 7.1 (ft)	0 - 5.3 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.5 - 4.5 (ft)	4.5 - 6 (ft)	4.5 - 14.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.5 - 4.5 (ft)	0.5 - 4.5 (ft)	4.5 - 6 (ft)	4.5 - 14.5 (ft)
Sample Elevation (ft BCB)			12 to 10	17.3 to 12	17.3 to 16	16 to 14	14 to 12	12 to 10	15.5 to 11.5	11.5 to 10	11.5 to 1.5	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	16.1 to 14	14 to 12	12 to 10	15.7 to 11.7	15.7 to 11.7	11.7 to 10.2	11.7 to 1.7
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ESTUARINE DEPOSITS	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																										
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																										
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	140	-	33	-	-	-	-	-	-	-	-	-	-	-	82	-	-	28
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	170	-	34	-	-	-	-	-	-	-	-	-	-	-	87	-	-	33
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	81	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	70	-	-	ND (25)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	ND (24)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-	-	ND (25)
Inorganic Compounds (mg/kg)																										
Antimony	20	NA	-	-	-	-	-	-	5.7	-	3.3	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	1.7
Arsenic	20	NA	-	7.5	-	-	-	-	ND (3.8)	-	ND (3.8)	-	-	-	-	-	-	-	-	-	-	-	ND (3.4)	-	-	ND (4)
Barium	1000	NA	-	45	-	-	-	-	110	-	59	-	-	-	-	-	-	-	-	-	-	-	33	-	-	89
Beryllium	90	NA	-	-	-	-	-	-	ND (0.38)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.4)
Cadmium	70	NA	-	0.86	-	-	-	-	1.7	-	1.1	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	ND (0.66)
Chromium	100	NA	-	45	-	-	-	-	15	-	34	-	-	-	-	-	-	-	-	-	-	-	7.8	-	-	4.2
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	190	-	-	-	-	**390**	-	21	-	-	-	-	-	-	-	-	-	-	-	180	-	-	28
Mercury	20	NA	-	0.1	-	-	-	-	1.8	-	0.14	-	-	-	-	-	-	-	-	-	-	-	0.48	-	-	0.25
Nickel	600	NA	-	-	-	-	-	-	13	-	22	-	-	-	-	-	-	-	-	-	-	-	11	-	-	ND (6.6)
Selenium	400	NA	-	ND (6.2)	-	-	-	-	ND (6.3)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	ND (6.6)
Silver	100	NA	-	ND (0.62)	-	-	-	-	ND (1.3)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.3)
Thallium	8	NA	-	-	-	-	-	-	ND (6.3)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	ND (6.6)
Vanadium	400	NA	-	-	-	-	-	-	30	-	55	-	-	-	-	-	-	-	-	-	-	-	24	-	-	11
Zinc	1000	NA	-	-	-	-	-	-	310	-	60	-	-	-	-	-	-	-	-	-	-	-	100	-	-	57
TCLP Inorganic Compounds (mg/L)																										
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	0.35	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																										
Aroclor-1016 (PCB-1016)	1	NA	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
Aroclor-1221 (PCB-1221)	1	NA	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
Aroclor-1232 (PCB-1232)	1	NA	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
Aroclor-1242 (PCB-1242)	1	NA	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
Aroclor-1248 (PCB-1248)	1	NA	ND (0.13)	-	0.2	0.26	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
Aroclor-1254 (PCB-1254)	1	NA	ND (0.13)	-	0.18	0.49	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	**2.1**	**3.8**	ND (0.05)	-
Aroclor-1260 (PCB-1260)	1	NA	ND (0.13)	-	0.18	0.42	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	**2**	**3.5**	ND (0.05)	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.048)	ND (0.052)	-	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.056)	ND (0.058)	ND (0.067)	ND (0.065)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-
SUM of PCBs	1	NA	ND	-	0.56	**1.17**	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.1**	**7.3**	ND	-
Other																										
Percent Solids, vol. (%wt)	NA	NA	78.8	77.3	95.7	94	79.1	74.8	-	-	-	-	-	-	-	-	-	-	-	-	89.3	76.5	76.2	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	165 >
Reactive Cyanide (mg/kg)	NA	NA	-	ND (4)	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)
Oxidation reduction potential (mV)	NA	NA	-	73	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	6.8	-	-	-	-	7.1	-	7.1	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	6.9
VPH (mg/kg)																										
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	ND (1.3)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.6)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	ND (1.3)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.6)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	3.3	-	12	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	3.6	-	18	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	7	-	30	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	ND (1.6)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			U12	U12	U12	U12	U12	U12	U12	U12	U12	U13	U13	U13	U13	U14	U14	U14	U14	U14	U14	U14	U15	U15	U15	U15	U15	U15
Sample Name			U12_S3_6-8	U12_S4_8-10	U12_S5_10-12	U12_S6_12-14	U12_S7_14-16	U12_S8_16-18	U12_S9_18-20	U12_S10_20-23	U12_S11_23-26	U13_S1_0.0-2.4	U13_S2_2.4-4.4	U13_S3_4.4-6.4	Z13_S3_4.4-6.4	U14_S1_0.5-1.5	U14_S2_3-5	U14_S3_5-7	X14_S3_5-7	U14_S4_7-9	U14_S5_9-11	U14_S6_11-13	U15_S1_0.5-1.5	U15_S2_3-5	U15_S3_5-7	U15_S4_7-9	U15_S5_9-11	U15_S6_11-13
Sample Date			12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			138861-11	138861-12	138861-13	138861-14	138861-15	138861-16	138861-18	138861-19	138861-20	15K1179-10	15K1179-11	15K1179-12	15K1179-15	139069-15	139103-1	139103-2	139103-3	139103-4	139103-5	139103-6	138653-9	138653-10	138653-11	138653-12	138653-13	138653-14
Sample Depth (bgs)			6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 23 (ft)	23 - 26 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)			10.2 to 8.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2	2.2 to 0.2	0.2 to -1.8	-1.8 to -3.8	-3.8 to -6.8	-6.8 to -9.8	16.4 to 14	14 to 12	12 to 10	12 to 10	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	16.3 to 15.3	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8	7.8 to 5.8	5.8 to 3.8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			U12	U12	U12	U12	U12	U12	U12	U12	U12	U13	U13	U13	U13	U14	U14	U14	U14	U14	U14	U14	U15	U15	U15	U15	U15	U15
Sample Name			U12_S3_6-8	U12_S4_8-10	U12_S5_10-12	U12_S6_12-14	U12_S7_14-16	U12_S8_16-18	U12_S9_18-20	U12_S10_20-23	U12_S11_23-26	U13_S1_0.0-2.4	U13_S2_2.4-4.4	U13_S3_4.4-6.4	Z13_S3_4.4-6.4	U14_S1_0.5-1.5	U14_S2_3-5	U14_S3_5-7	X14_S3_5-7	U14_S4_7-9	U14_S5_9-11	U14_S6_11-13	U15_S1_0.5-1.5	U15_S2_3-5	U15_S3_5-7	U15_S4_7-9	U15_S5_9-11	U15_S6_11-13
Sample Date			12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			138861-11	138861-12	138861-13	138861-14	138861-15	138861-16	138861-18	138861-19	138861-20	15K1179-10	15K1179-11	15K1179-12	15K1179-15	139069-15	139103-1	139103-2	139103-3	139103-4	139103-5	139103-6	138653-9	138653-10	138653-11	138653-12	138653-13	138653-14
Sample Depth (bgs)			6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 23 (ft)	23 - 26 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)			10.2 to 8.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2	2.2 to 0.2	0.2 to -1.8	-1.8 to -3.8	-3.8 to -6.8	-6.8 to -9.8	16.4 to 14	14 to 12	12 to 10	12 to 10	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	16.3 to 15.3	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8	7.8 to 5.8	5.8 to 3.8
Soil Description			HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**ND (4.3)**	**ND (300)**	**ND (300)**	**ND (240)**	**ND (5.5)**	ND (0.052)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**ND (4.3)**	**ND (300)**	**ND (300)**	**ND (240)**	**ND (5.5)**	ND (0.052)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**ND (4.3)**	**ND (300)**	**ND (300)**	**ND (240)**	**ND (5.5)**	ND (0.052)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**ND (4.3)**	**ND (300)**	**ND (300)**	**ND (240)**	**ND (5.5)**	ND (0.052)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**ND (4.3)**	**ND (300)**	**ND (300)**	**ND (240)**	**ND (5.5)**	ND (0.052)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	**2.7**	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**14**	**ND (300)**	**ND (300)**	**ND (240)**	**ND (5.5)**	ND (0.052)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	0.18	ND (0.13)	ND (0.13)	**1.9**	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	**24**	**3300**	**1800**	**890**	**37**	0.35
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (4.3)	ND (300)	ND (300)	ND (240)	ND (5.5)	ND (0.052)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (4.3)	ND (300)	ND (300)	ND (240)	ND (5.5)	ND (0.052)
SUM of PCBs	1	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	ND	ND	**4.6**	ND	ND	ND	ND	ND	ND	**38**	**3300**	**1800**	**890**	**37**	0.35
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	88.4	83.4	78.4	74.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			U15A	U15A	U16	U16	U16	U16	U16	U16	U16	U17	U17	U17	U17	U17	U18	U18	U18	V11	V11	V12	V12	V12	V12	V12	V12	V12	V12	V13	V13	V13A
Sample Name			U15A_S1_0.2-4.8	U15A_S2_4.8-10.8	U16_S1_0.5-1.5	U16_S2_3-5	U16_S3_5-7	X16_S3_5-7	U16_S4_7-9	U16_S5_9-11	U16_S6_11-13	U17_S1_0-1.2	U17_S2_1.2-3.2	U17_S3_3.2-5.2	U17_S4_5.2-7.2	U18_S1_1.0-5.1	U18_S2_1.1-3.1	V11_S1_0-4	V11_S2_0-2	V12_S1_0-2	Z4_S1_0-2	V12_S2_2-4	Z4_S2_2-4	V12_S3_4-6	Z4_S3_4-6	V12_S4_6-8	V13_S1_1-4.5	V13_S2_4.5-6.5	V13A_S1_0.4-6.4
Sample Date	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	02/07/2015	02/07/2015	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	01/22/2015	01/22/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/14/2011	01/14/2011	01/24/2015
Lab Sample ID			15B0267-01	15B0267-02																												
Sample Depth (bgs)			15B0267-01RE1	15B0267-02RE1														15A0875-01														15A0874-01
Sample Elevation (ft BCB)			15D0959-01	15D0959-02	139103-7	139103-8	139103-9	139103-10	139103-11	139103-12	139103-13	15K0704-08	15K0704-09	15K0704-10	15K0704-11	15A0712-01	15A0712-02	15B0028-01	15A0875-02	15A0870-01	15A0835-01	15A0870-02	15A0835-02	15A0870-03	15A0835-03	15B0178-01	139182-8	139182-9	15B0027-01
Soil Description			0.2 - 4.8 (ft)	4.8 - 10.8 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1 - 5.1 (ft)	1.1 - 3.1 (ft)	0 - 4 (ft)	0 - 2 (ft)	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	1 - 4.5 (ft)	4.5 - 6.5 (ft)	0.4 - 6.4 (ft)
			16.6 to 12	12 to 6	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	17.2 to 16	16 to 14	14 to 12	12 to 10	16.1 to 12	16 to 14	15.9 to 11.9	15.9 to 13.9	16.1 to 14.1	16.1 to 14.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	12.1 to 10.1	10.1 to 8.1	15.5 to 12	12 to 10	16 to 10
			FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL
Volatile Organic Compounds (mg/kg)																																
1,2,3-Trichlorobenzene	NA	NA	0.0053	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)
1,2,4-Trichlorobenzene	2	NA	**100**	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)
1,2,4-Trimethylbenzene	1000	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
1,2-Dichlorobenzene	9	NA	0.013	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
1,3-Dichlorobenzene	3	NA	**68**	0.003	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
1,4-Dichlorobenzene	0.7	NA	**36**	0.0019	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Acetone	6	NA	ND (0.092)	ND (0.073)	-	-	-	-	-	-	-	-	-	-	-	ND (0.071)	-	ND (0.089)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.08)
Benzene	2	NA	0.0023	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Chlorobenzene	1	NA	**9.3**	0.019	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Chloroform (Trichloromethane)	0.2	NA	ND (0.0037)	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Ethylbenzene	40	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Isopropylbenzene	1000	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
m,p-Xylenes	NA	NA	ND (0.0037)	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)
Methyl Tert Butyl Ether	0.1	NA	ND (0.0037)	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0032)
Methylene chloride	0.1	NA	ND (0.0092)	ND (0.0073)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0071)	-	ND (0.0089)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
Naphthalene	4	NA	ND (0.0092)	ND (0.0073)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0071)	-	ND (0.0089)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.008)
n-Propylbenzene	100	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
o-Xylene	NA	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Styrene	3	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Tetrachloroethene	1	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Toluene	30	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
Trichloroethene	0.3	NA	ND (0.0018)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0016)
SUM of Volatile Organic Compounds	NA	NA	213.321	0.0239	-	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																																
1,2,4-Trichlorobenzene	2	NA	**43**	**8.7**	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
1,2-Dichlorobenzene	9	NA	0.51	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
1,3-Dichlorobenzene	3	NA	**26**	**24**	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
1,4-Dichlorobenzene	0.7	NA	**15**	**12**	-	-	-	-	-	-	-	-	-	-	-	**ND (0.79)**	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
2,4-Dimethylphenol	0.7	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	**ND (0.79)**	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
2,4-Dinitrotoluene	0.7	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	**ND (0.79)**	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
2,6-Dinitrotoluene	NA	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
2-Chloronaphthalene	1000	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
2-Methylnaphthalene	0.7	NA	ND (0.19)	0.23	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)
2-Methylphenol	500	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
3&4-Methylphenol	NA	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Acenaphthene	4	NA	ND (0.19)	0.43	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)
Acenaphthylene	1	NA	ND (0.19)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)
Acetophenone	NA	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Aniline	NA	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Anthracene	1000	NA	ND (0.19)	0.76	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)
Benzo(a)anthracene	7	NA	ND (0.19)	1.3	-	-	-	-	-	-	-	-	-	-	-	0.47	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67
Benzo(a)pyrene	2	NA	ND (0.19)	1.1	-	-	-	-	-	-	-	-	-	-	-	0.39	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58
Benzo(b)fluoranthene	7	NA	0.25	1.4	-	-	-	-	-	-	-	-	-	-	-	0.5	-	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	0.86
Benzo(g,h,i)perylene	1000	NA	ND (0.19)	0.56	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39
Benzo(k)fluoranthene	70	NA	ND (0.19)	0.54	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Butyl benzylphthalate	100	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	ND (0.19)	1.3	-	-	-	-	-	-	-	-	-	-	-	0.48	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	0.86
Dibenz(a,h)anthracene	0.7	NA	ND (0.19)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)
Dibenzofuran	100	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Diethyl phthalate	10	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Di-n-butylphthalate	50	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Di-n-octyl phthalate	1000	NA	ND (0.73)	ND (0.83)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (0.85)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.83)
Fluoranthene	1000	NA	0.28	3.1	-	-	-	-	-	-	-	-	-	-	-	0.84	-	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
Fluorene	1000	NA	ND (0.19)	0.53	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.19)	0.67	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43
Isophorone	100	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Naphthalene	4	NA	ND (0.19)	0.65	-	-	-	-	-	-	-	-	-	-	-	ND (0.39)	-	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Phenanthrene	10	NA	ND (0.19)	2.6	-	-	-	-	-	-	-	-	-	-	-	0.51	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Phenol	1	NA	ND (0.37)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)
Pyrene	1000	NA	0.3	3	-	-	-	-	-	-	-	-	-	-	-	0.92	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
SUM of Semi-Volatile Organic Compounds	NA	NA	85.34	62.87	-	-	-	-	-	-	-	-	-	-	-	4.11	-	3.77	-	-	-	-	-	-	-	-	-	-	-	-	-	8.35

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			U15A	U15A	U16	U16	U16	U16	U16	U16	U16	U17	U17	U17	U17	U17	U18	U18	U18	U11	U11	U12	U12	U12	U12	U12	U12	U12	U12	U13	U13	U13A
Sample Name			U15A_S1_0.2-4.8	U15A_S2_4.8-10.8	U16_S1_0.5-1.5	U16_S2_3-5	U16_S3_5-7	X16_S3_5-7	U16_S4_7-9	U16_S5_9-11	U16_S6_11-13	U17_S1_0-1.2	U17_S2_1.2-3.2	U17_S3_3.2-5.2	U17_S4_5.2-7.2	U18_S1_1.0-5.1	U18_S2_1.1-3.1	U11_S1_0-4	U11_S2_0-2	U12_S1_0-2	Z4_S1_0-2	U12_S2_2-4	Z4_S2_2-4	U12_S3_4-6	Z4_S3_4-6	U12_S4_6-8	U13_S1_1-4.5	U13_S2_4.5-6.5	U13A_S1_0.4-6.4
Sample Date			02/07/2015	02/07/2015	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	01/22/2015	01/22/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/14/2011	01/14/2011	01/24/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																														
Lab Sample ID			15B0267-01	15B0267-02																												
Sample Depth (bgs)			15B0267-01RE1	15B0267-02RE1														15A0875-01												139182-8	139182-9	15A0874-01
Sample Elevation (ft BCB)			15D0959-01	15D0959-02	139103-7	139103-8	139103-9	139103-10	139103-11	139103-12	139103-13	15K0704-08	15K0704-09	15K0704-10	15K0704-11	15A0712-01	15A0712-02	15B0028-01	15A0875-02	15A0870-01	15A0835-01	15A0870-02	15A0835-02	15A0870-03	15A0835-03	15B0178-01	139182-8RA1	139182-9	15B0027-01
Soil Description			0.2 - 4.8 (ft)	4.8 - 10.8 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1 - 5.1 (ft)	1.1 - 3.1 (ft)	0 - 4 (ft)	0 - 2 (ft)	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	1 - 4.5 (ft)	4.5 - 6.5 (ft)	0.4 - 6.4 (ft)
			16.6 to 12	12 to 6	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	17.2 to 16	16 to 14	14 to 12	12 to 10	16.1 to 12	16 to 14	15.9 to 11.9	15.9 to 13.9	16.1 to 14.1	16.1 to 14.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	12.1 to 10.1	10.1 to 8.1	15.5 to 12	12 to 10	16 to 10
			FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	550	960	-	-	-	-	-	-	-	-	-	-	-	290	-	360	-	-	-	-	-	-	-	-	-	-	190
EPH (mg/kg)																																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																																
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	ND (2.6)	3.8	-	-	-	-	-	-	-	-	-	-	-	2.7	-	9.4	-	-	-	-	-	-	-	-	-	-	14
Barium	1000	NA	41	57	-	-	-	-	-	-	-	-	-	-	-	50	-	72	-	-	-	-	-	-	-	-	-	-	80
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	0.55	0.91	-	-	-	-	-	-	-	-	-	-	-	0.46	-	2.8	-	-	-	-	-	-	-	-	-	-	1.1
Chromium	100	NA	9.6	21	-	-	-	-	-	-	-	-	-	-	-	12	-	8	-	-	-	-	-	-	-	-	-	-	20
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	150	**290**	-	-	-	-	-	-	-	-	-	-	-	57	-	160	-	-	-	-	-	-	-	-	-	-	**250**
Mercury	20	NA	0.051	0.24	-	-	-	-	-	-	-	-	-	-	-	0.049	-	0.34	-	-	-	-	-	-	-	-	-	-	0.23
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	ND (5.2)	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	ND (5.9)
Silver	100	NA	ND (0.52)	ND (0.61)	-	-	-	-	-	-	-	-	-	-	-	ND (0.54)	-	ND (0.64)	-	-	-	-	-	-	-	-	-	-	ND (0.59)
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																																
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	1.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	0.026	-	-	-	-	-	-	-	-	-	-	2.1
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																																
Aroclor-1016 (PCB-1016)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	**ND (1.1)**	**ND (63)**	**ND (25)**	**ND (23)**	**ND (11)**	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1221 (PCB-1221)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	**ND (1.1)**	**ND (63)**	**ND (25)**	**ND (23)**	**ND (11)**	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1232 (PCB-1232)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	**ND (1.1)**	**ND (63)**	**ND (25)**	**ND (23)**	**ND (11)**	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1242 (PCB-1242)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	**ND (1.1)**	**ND (63)**	**ND (25)**	**ND (23)**	**ND (11)**	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1248 (PCB-1248)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	0.43	0.99	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	**1.6**	**ND (1.1)**	**ND (63)**	**ND (25)**	**ND (23)**	**ND (11)**	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1254 (PCB-1254)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	0.64	**1.5**	ND (0.13)	0.21	-	ND (0.12)	-	ND (0.12)	**3.5**	**3.4**	**130**	**ND (25)**	**ND (23)**	**ND (11)**	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1260 (PCB-1260)	1	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	**1.4**	0.82	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	**2.1**	**3.7**	**270**	**78**	**67**	**63**	**1.2**	**1.1**	ND (0.058)	-
Aroclor-1262 (PCB-1262)	NA	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)	-
Aroclor-1268 (PCB-1268)	NA	NA	-	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)	-
SUM of PCBs	1	NA	-	-	ND	ND	ND	ND	ND	ND	ND	**2.47**	**3.31**	ND	0.21	-	ND	-	ND	**7.2**	**7.1**	**400**	**78**	**67**	**63**	**1.2**	**1.1**	ND	-
Other																																
Percent Solids, vol. (%wt)	NA	NA	91.2	80.5	-	-	-	-	-	-	-	93.7	78.6	76.6	74.6	86.5	80.2	78.3	83.4	94.9	87.1	79.4	81.4	87.1	89.4	77.1	-	-	81.1
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (4)	ND (4)	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (4)	-	-	-	-	-	-	-	-	-	-	ND (3.9)
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	ND (20)	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	ND (20)	-	-	-	-	-	-	-	-	-	-	ND (20)
Oxidation reduction potential (mV)	NA	NA	46	21	-	-	-	-	-	-	-	-	-	-	-	65	-	77	-	-	-	-	-	-	-	-	-	-	100
Ignitability (PA)	NA	NA	NI	NI	-	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	-	-	-	-	-	-	-	-	NI
pH Corrosivity (pH units)	NA	NA	8.4	7.2	-	-	-	-	-	-	-	-	-	-	-	10	-	7.7	-	-	-	-	-	-	-	-	-	-	6.8
VPH (mg/kg)																																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			V13A	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V15	V15	V15	V15	V15	V15	V15	V15	V15	V15
Sample Name			V13A_S2_0.4-2.4	V14_S1_1.1-6.8	V14_S2_6.8-8.4	V14_S8_6.8-16.8	V14_S3_8.4-10.4	V14_S4_10.4-12.4	V14_S5_12.4-14.4	V14_S6_14.4-16.4	V14_S7_16.4-18.4	V14_S9_18.4-20.4	V14_S10_20.4-22.4	V14_S11_22.4-24.4	V14_S12_24.4-26.4	V15_S1_1.2-8.3	V15_S7_8.3-18.3	V15_S2_8.5-10.5	V15_S3_10.5-12.5	V15_S4_12.5-14.5	V15_S5_14.5-16.5	V15_S6_16.5-18.5	V15_S8_18.5-20.5	V15_S9_20.5-22.5	V15_S10_22.5-23.8
Sample Date			01/24/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	15A0874-02	133875-53 133875-53RA1 133875-66 133875-75 134056-3	133875-44	133875-58 133875-67 133875-76 134056-6	133875-45	133875-46	133875-47	133875-48	133875-49	133923-41	133923-42	133923-43	133923-44	133923-45 133923-69 133923-81	133923-51 133923-70 133923-82 134174-2 134174-8	133923-46	133923-47	133923-48	133923-49	133923-50	133923-52	133923-53	133923-54
Sample Depth (bgs)			0.4 - 2.4 (ft)	1.1 - 6.8 (ft)	6.8 - 8.4 (ft)	6.8 - 16.8 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	1.2 - 8.3 (ft)	8.3 - 18.3 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 23.8 (ft)
Sample Elevation (ft BCB)			16 to 14	15.3 to 9.6	9.6 to 8	9.6 to -0.4	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	15.3 to 8.2	8.2 to -1.8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -7.3
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	MARINE DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																									
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Acetone	6	NA	-	ND (0.25)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.27)	ND (0.25)	-	-	-	-	-	-	-	-
Benzene	2	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	ND (0.063)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.068)	ND (0.064)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Styrene	3	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Toluene	30	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4-Trichlorobenzene	2	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	**ND (0.75)**	ND (0.45)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	**ND (0.75)**	ND (0.45)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	**ND (0.75)**	ND (0.45)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	**ND (0.75)**	ND (0.45)	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.2	ND (0.45)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.1	ND (0.45)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.7	ND (0.45)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	0.37	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.4	ND (0.45)	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	**ND (0.75)**	ND (0.45)	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	2.8	0.7	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	0.46	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	2.2	1.3	-	-	-	-	-	-	-	-
Phenol	1	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	2.3	0.59	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	0.37	-	ND	-	-	-	-	-	-	-	-	-	12.7	3.05	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			V13A	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V15	V15	V15	V15	V15	V15	V15	V15	V15
Sample Name			V13A_S2_0.4-2.4	V14_S1_1.1-6.8	V14_S2_6.8-8.4	V14_S8_6.8-16.8	V14_S3_8.4-10.4	V14_S4_10.4-12.4	V14_S5_12.4-14.4	V14_S6_14.4-16.4	V14_S7_16.4-18.4	V14_S9_18.4-20.4	V14_S10_20.4-22.4	V14_S11_22.4-24.4	V14_S12_24.4-26.4	V15_S1_1.2-8.3	V15_S7_8.3-18.3	V15_S2_8.5-10.5	V15_S3_10.5-12.5	V15_S4_12.5-14.5	V15_S5_14.5-16.5	V15_S6_16.5-18.5	V15_S8_18.5-20.5	V15_S9_20.5-22.5	V15_S10_22.5-23.8
Sample Date			01/24/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria		133875-53 133875-53RA1 133875-66 133875-75		133875-58 133875-67 133875-76										133923-45 133923-69	133923-51 133923-70 133923-62 134174-2								
Lab Sample ID			15A0874-02	134056-3	133875-44	134056-6	133875-45	133875-46	133875-47	133875-48	133875-49	133923-41	133923-42	133923-43	133923-44	133923-81	134174-8	133923-46	133923-47	133923-48	133923-49	133923-50	133923-52	133923-53	133923-54
Sample Depth (bgs)			0.4 - 2.4 (ft)	1.1 - 6.8 (ft)	6.8 - 8.4 (ft)	6.8 - 16.8 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	1.2 - 8.3 (ft)	8.3 - 18.3 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 23.8 (ft)
Sample Elevation (ft BCB)			16 to 14	15.3 to 9.6	9.6 to 8	9.6 to -0.4	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	15.3 to 8.2	8.2 to -1.8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -7.3
Soil Description			FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	MARINE DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	70	-	43	-	-	-	-	-	-	-	-	-	390	ND (42)	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	72	-	48	-	-	-	-	-	-	-	-	-	430	ND (42)	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	74	-	ND (39)	-	-	-	-	-	-	-	-	-	380	ND (42)	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	ND (32)	-	ND (39)	-	-	-	-	-	-	-	-	-	80	ND (42)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	20	NA	-	1.7	-	3	-	-	-	-	-	-	-	-	-	ND (1.2)	7.8	-	-	-	-	-	-	-
Arsenic	20	NA	-	18	-	ND (4.3)	-	-	-	-	-	-	-	-	-	ND (3.6)	ND (4.1)	-	-	-	-	-	-	-
Barium	1000	NA	-	120	-	97	-	-	-	-	-	-	-	-	-	50	79	-	-	-	-	-	-	-
Beryllium	90	NA	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.41)	-	-	-	-	-	-	-
Cadmium	70	NA	-	0.72	-	1.8	-	-	-	-	-	-	-	-	-	1.1	6.9	-	-	-	-	-	-	-
Chromium	100	NA	-	12	-	50	-	-	-	-	-	-	-	-	-	26	40	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-
Lead	200	NA	-	**220**	-	23	-	-	-	-	-	-	-	-	-	40	**980**	-	-	-	-	-	-	-
Mercury	20	NA	-	0.24	-	ND (0.023)	-	-	-	-	-	-	-	-	-	0.38	0.2	-	-	-	-	-	-	-
Nickel	600	NA	-	14	-	36	-	-	-	-	-	-	-	-	-	16	26	-	-	-	-	-	-	-
Selenium	400	NA	-	ND (5.7)	-	7.4	-	-	-	-	-	-	-	-	-	ND (5.9)	8.5	-	-	-	-	-	-	-
Silver	100	NA	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.4)	-	-	-	-	-	-	-
Thallium	8	NA	-	ND (5.7)	-	ND (7.2)	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.9)	-	-	-	-	-	-	-
Vanadium	400	NA	-	22	-	67	-	-	-	-	-	-	-	-	-	38	41	-	-	-	-	-	-	-
Zinc	1000	NA	-	75	-	83	-	-	-	-	-	-	-	-	-	52	**1100**	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	1	NA	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**ND (4.7)**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**ND (4.7)**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**ND (4.7)**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**ND (4.7)**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1248 (PCB-1248)	1	NA	0.15	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**ND (4.7)**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1254 (PCB-1254)	1	NA	0.31	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**ND (4.7)**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1260 (PCB-1260)	1	NA	0.52	**1.3**	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	**47**	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	0.076	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)
SUM of PCBs	1	NA	0.98	**1.3**	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	**47**	-	ND	ND	ND	ND	0.076	ND	ND	ND
Other																								
Percent Solids, vol. (%wt)	NA	NA	96.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	7	-	7.1	-	-	-	-	-	-	-	-	-	7	7.5	-	-	-	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	ND (2.2)	ND (2.6)	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	ND (2.2)	ND (2.6)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	4.2	ND (2.6)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	3.3	ND (2.6)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	7.9	ND (2.6)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			V15	V16	V16	V16	V16	V16	V16	V16	V16	V16	V16	V17	V17	V11	V11	V12	V12	V12A	V12A	V12A	V12A	V12A	W13	W13	W13	W13
Sample Name			V15_S11_23.8-24.5	V16_S1_1-3	V16_S2_3-5	V16_S3_5-7	V16_S4_6-11	V16_S5_7-9	V16_S6_9-11	V16_S7_11-13	V16_S8_11-16	V16_S9_13-15	V16_S10_16-19	V17_S1_0-5	V17_S2_1-3	V11_S1_0.2-2.2	V11_S2_2.2-4.2	W12_S1_0-5	W12_S2_5-8	W12A_S2_0.6-2.6	W12A_S3_2.6-4.6	W12A_S4_3.4-4.6	W12A_S4_4.6-6.6	W13_S1_0.7-4.7	Z13_S1_0.7-4.7	W13_S2_4.7-6.7	W13_S3_6.7-8.7
Sample Date			06/14/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	01/22/2015	01/22/2015	02/12/2015	02/12/2015	01/14/2011	01/14/2011	02/12/2015	02/12/2015	02/12/2015	02/12/2015	01/03/2011	01/03/2011	01/03/2011	01/03/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133923-55	138690-26	138690-27	138690-28	138690-47 138690-59 138690-71 138879-13	138690-29	138690-30	138690-31	138690-48 138690-60 138690-72	138690-32	138690-49 138690-61 138690-73	15A0731-01	15A0731-02	15B0414-01	15B0414-02	139182-5	139182-6 139182-6RA1	15B0412-02	15B0412-03	15B0412-01 15B0558-01	15B0789-01	138916-2	138916-5	138916-3	138916-4
Sample Depth (bgs)			23.8 - 24.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	6 - 11 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	11 - 16 (ft)	13 - 15 (ft)	16 - 19 (ft)	0 - 5 (ft)	1 - 3 (ft)	0.2 - 2.2 (ft)	2.2 - 4.2 (ft)	0 - 5 (ft)	5 - 8 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	3.4 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.7 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)
Sample Elevation (ft BCB)			-7.3 to -8	16 to 14	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6	6 to 4	6 to 1	4 to 2	1 to -2	17 to 12	16 to 14	16 to 14	14 to 12	16.5 to 11.5	11.5 to 8.5	16 to 14	14 to 12	13.2 to 12	12 to 10	16 to 12	16 to 12	12 to 10	10 to 8
Soil Description			ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)	-	-	-	-	-	-	-	ND (0.23)	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)	-	-	-	-	-	-	-	0.27	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.093)	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	0.19	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	1.9	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	**1.4**	-	-	-	-	-
Acetone	6	NA	-	-	-	-	ND (0.26)	-	-	-	ND (0.28)	-	ND (0.22)	ND (0.1)	-	-	-	-	-	-	-	ND (2.3)	-	-	-	-	-
Benzene	2	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	**3.9**	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)	-	-	-	-	-	-	-	ND (0.093)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.093)	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)	-	-	-	-	-	-	-	ND (0.093)	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	**21**	-	-	-	ND (0.069)	-	ND (0.055)	ND (0.01)	-	-	-	-	-	-	-	**ND (0.23)**	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.01)	-	-	-	-	-	-	-	ND (0.23)	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.093)	-	-	-	-	-
Styrene	3	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.093)	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
Toluene	30	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.046)	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	21	-	-	-	ND	-	ND	ND	-	-	-	-	-	-	-	7.66	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**9.5**	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**27**	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**25**	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**ND (3.9)**	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**ND (3.9)**	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	ND (0.46)	-	-	-	0.86	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	ND (0.46)	-	-	-	0.86	-	ND (0.41)	0.27	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	ND (0.46)	-	-	-	0.69	-	ND (0.41)	0.24	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	ND (0.46)	-	-	-	0.75	-	ND (0.41)	0.31	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	0.19	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	ND (0.46)	-	-	-	0.69	-	ND (0.41)	0.29	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	**ND (1.9)**	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.73)	-	-	-	-	-	-	-	ND (7.7)	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	0.78	-	-	-	2	-	ND (0.41)	0.51	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	ND (0.46)	-	-	-	0.48	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	ND (0.46)	-	-	-	0.51	-	ND (0.41)	ND (0.18)	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**ND (3.9)**	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	ND (0.46)	-	-	-	2	-	ND (0.41)	0.4	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
Phenol	1	NA	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)	-	-	-	-	-	-	-	**ND (3.9)**	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	0.71	-	-	-	1.8	-	ND (0.41)	0.51	-	-	-	-	-	-	-	ND (1.9)	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	1.49	-	-	-	10.64	-	ND	2.72	-	-	-	-	-	-	-	61.5	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			V15	V16	V16	V16	V16	V16	V16	V16	V16	V16	V16	V17	V17	V11	V11	V12	V12	V12A	V12A	V12A	V12A	V12A	V13	V13	V13	V13
Sample Name			V15_S11_23.8-24.5	V16_S1_1-3	V16_S2_3-5	V16_S3_5-7	V16_S4_6-11	V16_S5_7-9	V16_S6_9-11	V16_S7_11-13	V16_S8_11-16	V16_S9_13-15	V16_S10_16-19	V17_S1_0-5	V17_S2_1-3	W11_S1_0.2-2.2	W11_S2_2.2-4.2	W12_S1_0-5	W12_S2_5-8	W12A_S2_0.6-2.6	W12A_S3_2.6-4.6	W12A_S1_3.4-4.6	W12A_S4_4.6-6.6	W13_S1_0.7-4.7	Z13_S1_0.7-4.7	W13_S2_4.7-6.7	W13_S3_6.7-8.7
Sample Date			06/14/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	01/22/2015	01/22/2015	02/12/2015	02/12/2015	01/14/2011	01/14/2011	02/12/2015	02/12/2015	02/12/2015	02/12/2015	01/03/2011	01/03/2011	01/03/2011	01/03/2011
Lab Sample ID	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133923-55	138690-26	138690-27	138690-28	138690-47 138690-59 138690-71 138879-13	138690-29	138690-30	138690-31	138690-48 138690-60 138690-72	138690-32	138690-49 138690-61 138690-73	15A0731-01	15A0731-02	15B0414-01	15B0414-02	139182-5	139182-6 139182-6RA1	15B0412-02	15B0412-03	15B0412-01 15B0558-01	15B0789-01	138916-2	138916-5	138916-3	138916-4
Sample Depth (bgs)			23.8 - 24.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	6 - 11 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	11 - 16 (ft)	13 - 15 (ft)	16 - 19 (ft)	0 - 5 (ft)	1 - 3 (ft)	0.2 - 2.2 (ft)	2.2 - 4.2 (ft)	0 - 5 (ft)	5 - 8 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	3.4 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.7 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)
Sample Elevation (ft BCB)			-7.3 to -8	16 to 14	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6	6 to 4	6 to 1	4 to 2	1 to -2	17 to 12	16 to 14	16 to 14	14 to 12	16.5 to 11.5	11.5 to 8.5	16 to 14	14 to 12	13.2 to 12	12 to 10	16 to 12	16 to 12	12 to 10	10 to 8
Soil Description			ORGANIC DEPOSITS	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	22000	-	-	-	-	-
EPH (mg/kg)																												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	50	-	-	-	79	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	55	-	-	-	97	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	34	-	-	-	46	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	ND (28)	-	-	-	ND (25)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																												
Antimony	20	NA	-	-	-	-	1.7	-	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	5.8	-	-	-	ND (3.9)	-	13	ND (2.6)	-	-	-	-	-	-	-	4.4	-	-	-	-	-
Barium	1000	NA	-	-	-	-	56	-	-	-	40	-	39	28	-	-	-	-	-	-	-	43	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	ND (0.41)	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	1.5	-	-	-	1.1	-	1	0.57	-	-	-	-	-	-	-	0.76	-	-	-	-	-
Chromium	100	NA	-	-	-	-	37	-	-	-	28	-	27	13	-	-	-	-	-	-	-	25	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	60	-	-	-	63	-	44	53	-	-	-	-	-	-	-	**570**	-	-	-	-	-
Mercury	20	NA	-	-	-	-	0.42	-	-	-	0.4	-	0.62	0.058	-	-	-	-	-	-	-	0.17	-	-	-	-	-
Nickel	600	NA	-	-	-	-	22	-	-	-	16	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	ND (6.8)	-	-	-	ND (6.5)	-	ND (5.8)	ND (5.2)	-	-	-	-	-	-	-	ND (6)	-	-	-	-	-
Silver	100	NA	-	-	-	-	ND (1.4)	-	-	-	ND (1.3)	-	ND (1.2)	ND (0.52)	-	-	-	-	-	-	-	ND (0.6)	-	-	-	-	-
Thallium	8	NA	-	-	-	-	ND (6.8)	-	-	-	ND (6.5)	-	ND (5.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	55	-	-	-	43	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	95	-	-	-	54	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																												
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																												
Aroclor-1016 (PCB-1016)	1	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	**ND (460)**	ND (0.053)	ND (0.11)	ND (0.21)	-	**ND (26)**	**ND (22)**	**ND (22)**	ND (0.049)	ND (0.051)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	**ND (460)**	ND (0.053)	ND (0.11)	ND (0.21)	-	**ND (26)**	**ND (22)**	**ND (22)**	ND (0.049)	ND (0.051)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	**ND (460)**	ND (0.053)	ND (0.11)	ND (0.21)	-	**ND (26)**	**ND (22)**	**ND (22)**	ND (0.049)	ND (0.051)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	**ND (460)**	ND (0.053)	ND (0.11)	ND (0.21)	-	**ND (26)**	**ND (22)**	**ND (22)**	ND (0.049)	ND (0.051)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	**ND (460)**	ND (0.053)	ND (0.11)	ND (0.21)	-	**ND (26)**	**ND (22)**	**ND (22)**	ND (0.049)	ND (0.051)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.12)	0.11	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	0.2	ND (0.11)	ND (0.13)	**ND (460)**	ND (0.053)	ND (0.11)	0.32	-	**60**	**ND (22)**	**ND (22)**	ND (0.049)	ND (0.051)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.12)	0.11	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	0.38	0.13	ND (0.13)	**1300**	**1.4**	0.21	0.97	-	**240**	**120**	**120**	ND (0.049)	0.26
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	ND (460)	ND (0.053)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-	ND (0.11)	ND (0.11)	ND (0.13)	ND (460)	ND (0.053)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)
SUM of PCBs	1	NA	ND	0.22	ND	ND	-	ND	ND	ND	-	ND	-	-	0.58	0.13	ND	**1300**	**1.4**	0.21	**1.29**	-	**300**	**120**	**120**	ND	0.26
Other																												
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	92.3	93.7	87.7	76.1	-	-	93.3	90.7	87.1	76.3	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	165 >	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	ND (3.9)	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	ND (20)	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	410	-	-	-	-	-	-	130	-	-	-	-	-	-	-	110	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	6.9	-	-	-	6.7	-	6.9	7.8	-	-	-	-	-	-	-	7.7	-	-	-	-	-
VPH (mg/kg)																												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			W13A	W13A	W13A	W13A	W14	W14	W14	W14	W14	W14	W14	W14	W14	W14	W14	W15	W15	W15	W15	W15	W15	W15	W15	W15
Sample Name			W13A_S1_0.0-4.8	W13A_S2_0.8-2.8	W13A_S3_2.8-4.8	W14_S1_0.3-4.3	W14_S2_4.3-6.3	W14_S7_4.3-14.3	W14_S3_6.3-8.3	W14_S4_8.3-10.3	W14_S5_10.3-12.3	W14_S6_12.3-14.3	W14_S8_14-16.3	W14_S9_16.3-18.3	W14_S10_18.3-20.3	W14_S11_20.3-22.3	W15_S1_0.6-6.0	W15_S2_6-8	W15_S7_6-16	W15_S3_8-10	W15_S4_10-12	W15_S5_12-14	W15_S6_14-16	W15_S8_16-18	W15_S9_18-20
Sample Date			02/12/2015	02/12/2015	02/12/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria				133875-50 133875-50RA1 133875-59 133875-68		133875-54 133875-60									133923-31 133923-67 133923-79		133923-37 133923-68 133923-68RA1 133923-80 134174-1					133923-38 133923-38RA1		
Lab Sample ID			15B0405-01	15B0405-02	15B0405-03	134056-1	133875-2	133875-69	133875-3	133875-4	133875-5	133875-6	133875-7	133875-8	133875-9	133875-1	134174-6	133923-32	134174-7	133923-33	133923-34	133923-35	133923-36		133923-39
Sample Depth (bgs)			0 - 4.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	0.3 - 4.3 (ft)	4.3 - 6.3 (ft)	4.3 - 14.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	0.6 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Sample Elevation (ft BCB)			16.8 to 12	16 to 14	14 to 12	16 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.1 to 10.7	10.7 to 8.7	10.7 to 0.7	8.7 to 6.7	6.7 to 4.7	4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																										
1,2,3-Trichlorobenzene	NA	NA	ND (0.0034)	-	-	0.044	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	0.61	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	ND (0.0034)	-	-	0.067	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	**6.8**	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	0.84	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	**5.8**	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	**10**	-	-	-	-	-	-
Acetone	6	NA	ND (0.086)	-	-	ND (0.52)	-	ND (0.23)	-	-	-	-	-	-	-	-	ND (0.22)	-	ND (2.5)	-	-	-	-	-	-
Benzene	2	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Chlorobenzene	1	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	**1**	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	ND (0.0034)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	**ND (0.25)**	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Ethylbenzene	40	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Isopropylbenzene	1000	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
m,p-Xylenes	NA	NA	ND (0.0034)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.0034)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	**ND (0.25)**	-	-	-	-	-	-
Methylene chloride	0.1	NA	ND (0.0086)	-	-	**ND (0.13)**	-	ND (0.058)	-	-	-	-	-	-	-	-	ND (0.056)	-	**ND (1)**	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.0086)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
n-Propylbenzene	100	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
o-Xylene	NA	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Styrene	3	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Tetrachloroethene	1	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Toluene	30	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
Trichloroethene	0.3	NA	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	-	-	0.111	-	ND	-	-	-	-	-	-	-	-	ND	-	25.05	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																										
1,2,4-Trichlorobenzene	2	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	**5.8**	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	1.8	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.4)	-	-	**ND (0.76)**	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	**3.1**	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	ND (0.4)	-	-	**ND (0.76)**	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	ND (0.4)	-	-	**ND (0.76)**	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	0.21	-	-	**ND (0.76)**	-	ND (0.43)	-	-	-	-	-	-	-	-	0.45	-	ND (0.41)	-	-	-	-	-	-
2-Methylphenol	500	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Acenaphthene	4	NA	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.49	-	ND (0.41)	-	-	-	-	-	-
Acenaphthylene	1	NA	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Acetophenone	NA	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Aniline	NA	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Anthracene	1000	NA	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.95	-	ND (0.41)	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	0.34	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	2.6	-	ND (0.41)	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	0.31	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	**2.3**	-	ND (0.41)	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	0.51	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	3.9	-	ND (0.41)	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	0.21	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.6	-	ND (0.41)	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	1.4	-	ND (0.41)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.76	-	ND (0.41)	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.59	-	ND (0.41)	-	-	-	-	-	-
Chrysene	70	NA	0.45	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	2.8	-	ND (0.41)	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.2)	-	-	**ND (0.76)**	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Dibenzofuran	100	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.5	-	ND (0.41)	-	-	-	-	-	-
Diethyl phthalate	10	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	ND (0.8)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Fluoranthene	1000	NA	0.8	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	5.5	-	ND (0.41)	-	-	-	-	-	-
Fluorene	1000	NA	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.73	-	ND (0.41)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	0.22	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.83	-	ND (0.41)	-	-	-	-	-	-
Isophorone	100	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Naphthalene	4	NA	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	0.39	-	ND (0.41)	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Pentachlorophenol	3	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Phenanthrene	10	NA	0.67	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	3.9	-	ND (0.41)	-	-	-	-	-	-
Phenol	1	NA	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-
Pyrene	1000	NA	0.71	-	-	ND (0.76)	-	ND (0.43)	-	-	-	-	-	-	-	-	4.7	-	ND (0.41)	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	4.43	-	-	ND	-	ND	-	-	-	-	-	-	-	-	33.39	-	10.7	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			W13A	W13A	W13A	W14	W14	W14	W14	W14	W14	W14	W14	W14	W14	W14	W15	W15	W15	W15	W15	W15	W15	W15	W15
Sample Name			W13A_S1_0.0-4.8	W13A_S2_0.8-2.8	W13A_S3_2.8-4.8	W14_S1_0.3-4.3	W14_S2_4.3-6.3	W14_S7_4.3-14.3	W14_S3_6.3-8.3	W14_S4_8.3-10.3	W14_S5_10.3-12.3	W14_S6_12.3-14.3	W14_S8_14-16.3	W14_S9_16.3-18.3	W14_S10_18.3-20.3	W14_S11_20.3-22.3	W15_S1_0.6-6.0	W15_S2_6-8	W15_S7_6-16	W15_S3_8-10	W15_S4_10-12	W15_S5_12-14	W15_S6_14-16	W15_S8_16-18	W15_S9_18-20
Sample Date			02/12/2015	02/12/2015	02/12/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria				133875-50 133875-50RA1 133875-59 133875-68		133875-54 133875-60									133923-31 133923-67 133923-79		133923-37 133923-68 133923-68RA1 133923-80 134174-1					133923-38	
Lab Sample ID			15B0405-01	15B0405-02	15B0405-03	134056-1	133875-2	133875-69	133875-3	133875-4	133875-5	133875-6	133875-7	133875-8	133875-9	133875-1	134174-6	133923-32	134174-7	133923-33	133923-34	133923-35	133923-36	133923-38RA1	133923-39
Sample Depth (bgs)			0 - 4.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	0.3 - 4.3 (ft)	4.3 - 6.3 (ft)	4.3 - 14.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	0.6 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Sample Elevation (ft BCB)			16.8 to 12	16 to 14	14 to 12	16 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.1 to 10.7	10.7 to 8.7	10.7 to 0.7	8.7 to 6.7	6.7 to 4.7	4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3
Soil Description			FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Total Petroleum Hydrocarbons (mg/kg)																									
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																									
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	180	-	ND (41)	-	-	-	-	-	-	-	-	80	-	51	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	190	-	ND (41)	-	-	-	-	-	-	-	-	110	-	55	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	360	-	ND (41)	-	-	-	-	-	-	-	-	60	-	44	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	ND (35)	-	ND (41)	-	-	-	-	-	-	-	-	ND (35)	-	ND (37)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																									
Antimony	20	NA	-	-	-	2.4	-	2.5	-	-	-	-	-	-	-	-	ND (1.3)	-	7	-	-	-	-	-	-
Arsenic	20	NA	8.2	-	-	11	-	ND (4.2)	-	-	-	-	-	-	-	-	5	-	ND (3.7)	-	-	-	-	-	-
Barium	1000	NA	53	-	-	93	-	52	-	-	-	-	-	-	-	-	56	-	69	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-
Cadmium	70	NA	2.3	-	-	2.4	-	1.1	-	-	-	-	-	-	-	-	1.3	-	5.8	-	-	-	-	-	-
Chromium	100	NA	15	-	-	13	-	28	-	-	-	-	-	-	-	-	31	-	42	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-
Lead	200	NA	98	-	-	**260**	-	55	-	-	-	-	-	-	-	-	18	-	**960**	-	-	-	-	-	-
Mercury	20	NA	0.098	-	-	0.53	-	0.34	-	-	-	-	-	-	-	-	0.4	-	0.24	-	-	-	-	-	-
Nickel	600	NA	-	-	-	16	-	16	-	-	-	-	-	-	-	-	21	-	19	-	-	-	-	-	-
Selenium	400	NA	ND (6.3)	-	-	ND (5.7)	-	ND (7.1)	-	-	-	-	-	-	-	-	ND (6.3)	-	6.8	-	-	-	-	-	-
Silver	100	NA	ND (0.63)	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-
Thallium	8	NA	-	-	-	ND (5.7)	-	ND (7.1)	-	-	-	-	-	-	-	-	ND (6.3)	-	ND (6.2)	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	34	-	36	-	-	-	-	-	-	-	-	39	-	38	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	260	-	70	-	-	-	-	-	-	-	-	56	-	790	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																									
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																									
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**ND (4.8)**	ND (0.051)	-	**ND (5.4)**	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**ND (4.8)**	ND (0.051)	-	**ND (5.4)**	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**ND (4.8)**	ND (0.051)	-	**ND (5.4)**	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**ND (4.8)**	ND (0.051)	-	**ND (5.4)**	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1248 (PCB-1248)	1	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**ND (4.8)**	ND (0.051)	-	**ND (5.4)**	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1254 (PCB-1254)	1	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**ND (4.8)**	ND (0.051)	-	**ND (5.4)**	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1260 (PCB-1260)	1	NA	-	0.69	ND (0.12)	**17**	ND (0.057)	-	0.1	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	**23**	0.58	-	**36**	ND (0.051)	0.3	0.074	0.93	ND (0.053)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)
SUM of PCBs	1	NA	-	0.69	ND	**17**	ND	-	0.1	ND	ND	ND	ND	ND	ND	ND	**23**	0.58	-	**36**	ND	0.3	0.074	0.93	ND
Other																									
Percent Solids, vol. (%wt)	NA	NA	83.4	76.3	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (4)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7.8	-	-	7.3	-	7.3	-	-	-	-	-	-	-	-	7.6	-	7.7	-	-	-	-	-	-
VPH (mg/kg)																									
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.6)	-	ND (2)	-	-	-	-	-	-	-	-	ND (1.8)	-	ND (1.3)	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.6)	-	ND (2)	-	-	-	-	-	-	-	-	ND (1.8)	-	ND (1.3)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	ND (1.6)	-	ND (2)	-	-	-	-	-	-	-	-	ND (1.8)	-	8.9	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	ND (1.6)	-	ND (2)	-	-	-	-	-	-	-	-	ND (1.8)	-	ND (1.3)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.6)	-	ND (2)	-	-	-	-	-	-	-	-	ND (1.8)	-	7.4	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			W15	W15	W16	W16	W16	W16	W16	W16	W16	W16	W16	W16	W17	W17	W17	W17	W18	W18	W18	W18	X11	X11	X11	X12	X12
Sample Name			W15_S10_20-22	W15_S11_22-24	W16_S1_0.5-3.0	W16_S2_3-5	W16_S3_3-8	W16_S3_5-7	W16_S4_7-9	W16_S6_8-13	W16_S5_9-11	W16_S6_11-13	W16_S7_13-15	W16_S7_13-18	W17_S1_0-0.9	W17_S2_0.9-2.9	W17_S3_2.9-4.9	W17_S4_4.9-6.9	W18_S1_0-1.0	W18_S2_1.0-3.0	W18_S3_3.0-5.0	W18_S4_5.0-7.0	X11_S1_0.0-1.8	X11_S2_1.8-3.8	X11_S3_3.8-5.8	X12_S1_0.1-2.1	X12_S2_2.1-4.1
Sample Date			06/14/2010	06/14/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/03/2011	01/03/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/23/2015	11/23/2015	11/23/2015	02/12/2015	02/12/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																									
Lab Sample ID			133923-40	133923-19	138884-11	138884-12	138884-41 138884-52 138884-63 139115-9	138884-13	138884-14	138884-42 138884-53 138884-64 139115-10	138884-15	138884-16	138916-1	138916-17 138916-34 138916-46 139127-8	15K0704-02	15K0704-03	15K0704-04	15K0704-05	15K0704-14	15K0704-15	15K0704-16	15K0704-17	15K1070-11	15K1070-12	15K1070-13	15B0415-01	15B0415-02
Sample Depth (bgs)			20 - 22 (ft)	22 - 24 (ft)	0.5 - 3 (ft)	3 - 5 (ft)	3 - 8 (ft)	5 - 7 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	0.1 - 2.1 (ft)	2.1 - 4.1 (ft)
Sample Elevation (ft BCB)			-3.3 to -5.3	-5.3 to -7.3	16.6 to 14.1	14.1 to 12.1	14.1 to 9.1	12.1 to 10.1	10.1 to 8.1	9.1 to 4.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	4.1 to -0.9	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	15.8 to 14	14 to 12	12 to 10	16 to 14	14 to 12
Soil Description			ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																											
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	ND (0.2)	-	-	ND (0.26)	-	-	-	ND (0.26)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	ND (0.05)	-	-	ND (0.064)	-	-	-	ND (0.064)	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	ND (0.005)	-	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	ND	-	-	ND	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																											
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	ND (1.6)	-	-	ND (1.6)	-	-	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	ND (0.41)	-	-	ND (0.43)	-	-	-	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	ND	-	-	ND	-	-	-	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			W15	W15	W16	W16	W16	W16	W16	W16	W16	W16	W16	W16	W17	W17	W17	W17	W18	W18	W18	W18	X11	X11	X11	X12	X12
Sample Name			W15_S10_20-22	W15_S11_22-24	W16_S1_0.5-3.0	W16_S2_3-5	W16_S3_3-8	W16_S3_5-7	W16_S4_7-9	W16_S6_8-13	W16_S5_9-11	W16_S6_11-13	W16_S7_13-15	W16_S7_13-18	W17_S1_0-0.9	W17_S2_0.9-2.9	W17_S3_2.9-4.9	W17_S4_4.9-6.9	W18_S1_0-1.0	W18_S2_1.0-3.0	W18_S3_3.0-5.0	W18_S4_5.0-7.0	X11_S1_0.0-1.8	X11_S2_1.8-3.8	X11_S3_3.8-5.8	X12_S1_0.1-2.1	X12_S2_2.1-4.1
Sample Date			06/14/2010	06/14/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/03/2011	01/03/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/23/2015	11/23/2015	11/23/2015	02/12/2015	02/12/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria					138884-41 138884-52 138884-63			138884-42 138884-53 138884-64				138916-17 138916-34 138916-46													
Lab Sample ID			133923-40	133923-19	138884-11	138884-12	139115-9	138884-13	138884-14	139115-10	138884-15	138884-16	138916-1	139127-8	15K0704-02	15K0704-03	15K0704-04	15K0704-05	15K0704-14	15K0704-15	15K0704-16	15K0704-17	15K1070-11	15K1070-12	15K1070-13	15B0415-01	15B0415-02
Sample Depth (bgs)			20 - 22 (ft)	22 - 24 (ft)	0.5 - 3 (ft)	3 - 5 (ft)	3 - 8 (ft)	5 - 7 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	0.1 - 2.1 (ft)	2.1 - 4.1 (ft)
Sample Elevation (ft BCB)			-3.3 to -5.3	-5.3 to -7.3	16.6 to 14.1	14.1 to 12.1	14.1 to 9.1	12.1 to 10.1	10.1 to 8.1	9.1 to 4.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	4.1 to -0.9	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	15.8 to 14	14 to 12	12 to 10	16 to 14	14 to 12
Soil Description			ORGANIC DEPOSITS	ORGANIC DEPOSITS	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																											
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																											
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	ND (25)	-	-	52	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	ND (25)	-	-	57	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	ND (25)	-	-	44	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	ND (25)	-	-	ND (25)	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																											
Antimony	20	NA	-	-	-	-	3.1	-	-	3.9	-	-	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	ND (3.8)	-	-	ND (3.9)	-	-	-	ND (4.1)	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	60	-	-	60	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	ND (0.38)	-	-	ND (0.39)	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	1.2	-	-	1.1	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	30	-	-	32	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	ND (1)	-	-	ND (1)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	36	-	-	38	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	0.22	-	-	0.97	-	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	21	-	-	22	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	ND (6.4)	-	-	ND (6.5)	-	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	ND (1.3)	-	-	ND (1.3)	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	ND (6.4)	-	-	ND (6.5)	-	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	52	-	-	52	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	64	-	-	65	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																											
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																											
Aroclor-1016 (PCB-1016)	1	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	0.71
Aroclor-1254 (PCB-1254)	1	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	0.29	0.19	0.93	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	**1.2**
Aroclor-1260 (PCB-1260)	1	NA	ND (0.13)	ND (0.17)	**1.3**	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	0.31	-	0.14	ND (0.11)	ND (0.12)	ND (0.13)	0.15	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	**1.6**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)
SUM of PCBs	1	NA	ND	ND	**1.3**	ND	-	ND	ND	-	ND	ND	0.31	-	0.14	ND	ND	ND	0.44	0.19	0.93	ND	ND	ND	ND	ND	**3.51**
Other																											
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	97.6	91.4	80	78	90.7	91.8	82.1	77.1	96.9	96	91.7	94	91.8
Ignitability (Deg F)	NA	NA	-	-	-	-	165 >	-	-	165 >	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	520	-	-	450	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	7.2	-	-	7.1	-	-	-	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																											
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	ND (1.4)	-	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	ND (1.4)	-	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	ND (1.4)	-	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	1.4	-	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	2.1	-	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			X12	X13	X13	X13	X14	X14	X14	X14	X15	X15	X15	X15	X16	X16	X16	X16	X16	X17	X17	X17	X17	X18	X18	X18	X18	Y11
Sample Name			X12_S3_4.1-6.1	X13_S1_0.3-2.3	X13_S2_2.3-4.3	X13_S3_4.3-6.3	X14_S1_0.0-2.3	X14_S2_2.3-4.3	X14_S3_4.3-6.3	X14_S4_6.3-8.3	X15_S1_0.0-2.4	X15_S2_2.4-4.4	X15_S3_4.4-6.4	X15_S4_6.4-8.4	X16_S1_0.0-0.6	X16_S2_0.6-2.6	X16_S3_2.6-4.6	X16_S4_4.6-6.6	X16_S5_6.6-8.6	X17-S1_0-0.7	X17_S2_0.7-2.7	X17_S3_2.7-4.7	X17_S4_4.7-6.7	X18_S1_0.0-0.8	X18_S2_0.8-2.8	X18_S3_2.8-4.8	X18_S4_4.8-6.8	Y11_S1_0-0.6'
Sample Date			02/12/2015	02/12/2015	02/12/2015	02/12/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/08/2015	12/08/2015	12/08/2015	12/08/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/17/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																										
Lab Sample ID			15B0791-01	15B0416-01	15B0416-02	15B0792-01	15K1345-18	15K1346-01	15K1346-02	15L0988-01	15L0052-05	15L0052-06	15L0052-07	15L0370-01	15L0041-19	15L0041-20	15L0052-01	15L0052-02	15L0989-01	15L0384-06	15L0384-07	15L0384-08	15L0384-09	15K1344-19	15K1344-20	15K1345-01	15K1345-02	15K0756-13
Sample Depth (bgs)			4.1 - 6.1 (ft)	0.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	0 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0 - 0.7 (ft)	0.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	0 - 0.6 (ft)
Sample Elevation (ft BCB)			12 to 10	16 to 14	14 to 12	12 to 10	16.3 to 14	14 to 12	12 to 10	10 to 8	16.4 to 14	14 to 12	12 to 10	10 to 8	16.6 to 16	16 to 14	14 to 12	12 to 10	10 to 8	16.7 to 16	16 to 14	14 to 12	12 to 10	16.8 to 16	16 to 14	14 to 12	12 to 10	16.6 to 16
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																												
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																												
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			X12	X13	X13	X13	X14	X14	X14	X14	X15	X15	X15	X15	X16	X16	X16	X16	X16	X16	X17	X17	X17	X17	X18	X18	X18	X18	Y11
Sample Name			X12_S3_4.1-6.1	X13_S1_0.3-2.3	X13_S2_2.3-4.3	X13_S3_4.3-6.3	X14_S1_0.0-2.3	X14_S2_2.3-4.3	X14_S3_4.3-6.3	X14_S4_6.3-8.3	X15_S1_0.0-2.4	X15_S2_2.4=4.4	X15_S3_4.4-6.4	X15_S4_6.4-8.4	X16_S1_0.0-0.6	X16_S2_0.6-2.6	X16_S3_2.6-4.6	X16_S4_4.6-6.6	X16_S5_6.6-8.6	X17-S1_0-0.7	X17_S2_0.7-2.7	X17_S3_2.7-4.7	X17_S4_4.7-6.7	X18_S1_0.0-0.8	X18_S2_0.8-2.8	X18_S3_2.8-4.8	X18_S4_4.8-6.8	X18_S1_0-0.6'
Sample Date			02/12/2015	02/12/2015	02/12/2015	02/12/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/08/2015	12/08/2015	12/08/2015	12/08/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/17/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																											
Lab Sample ID			15B0791-01	15B0416-01	15B0416-02	15B0792-01	15K1345-18	15K1346-01	15K1346-02	15L0988-01	15L0052-05	15L0052-06	15L0052-07	15L0370-01	15L0041-19	15L0041-20	15L0052-01	15L0052-02	15L0989-01	15L0384-06	15L0384-07	15L0384-08	15L0384-09	15K1344-19	15K1344-20	15K1345-01	15K1345-02	15K0756-13
Sample Depth (bgs)			4.1 - 6.1 (ft)	0.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	0 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0 - 0.7 (ft)	0.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	0 - 0.6 (ft)
Sample Elevation (ft BCB)			12 to 10	16 to 14	14 to 12	12 to 10	16.3 to 14	14 to 12	12 to 10	10 to 8	16.4 to 14	14 to 12	12 to 10	10 to 8	16.6 to 16	16 to 14	14 to 12	12 to 10	10 to 8	16.7 to 16	16 to 14	14 to 12	12 to 10	16.8 to 16	16 to 14	14 to 12	12 to 10	16.6 to 16
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																													
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																													
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																													
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																													
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.1)	**ND (5.6)**	ND (0.13)	ND (0.1)	ND (0.1)	**ND (2.1)**	**ND (1.1)**	ND (0.1)	**ND (11)**	**ND (11)**	**ND (22)**	ND (0.1)	ND (0.1)	**ND (2.2)**	**ND (1.1)**	**ND (1.1)**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.1)	**ND (5.6)**	ND (0.13)	ND (0.1)	ND (0.1)	**ND (2.1)**	**ND (1.1)**	ND (0.1)	**ND (11)**	**ND (11)**	**ND (22)**	ND (0.1)	ND (0.1)	**ND (2.2)**	**ND (1.1)**	**ND (1.1)**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.1)	**ND (5.6)**	ND (0.13)	ND (0.1)	ND (0.1)	**ND (2.1)**	**ND (1.1)**	ND (0.1)	**ND (11)**	**ND (11)**	**ND (22)**	ND (0.1)	ND (0.1)	**ND (2.2)**	**ND (1.1)**	**ND (1.1)**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.1)	**ND (5.6)**	ND (0.13)	ND (0.1)	ND (0.1)	**ND (2.1)**	**ND (1.1)**	ND (0.1)	**ND (11)**	**ND (11)**	**ND (22)**	ND (0.1)	ND (0.1)	**ND (2.2)**	**ND (1.1)**	**ND (1.1)**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	ND (0.1)	**ND (5.6)**	ND (0.13)	ND (0.1)	ND (0.1)	**ND (2.1)**	**ND (1.1)**	ND (0.1)	**ND (11)**	**ND (11)**	**ND (22)**	ND (0.1)	ND (0.1)	**ND (2.2)**	**ND (1.1)**	**ND (1.1)**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	0.11
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	ND (0.1)	**15**	ND (0.13)	ND (0.1)	ND (0.1)	**6**	**ND (1.1)**	ND (0.1)	**ND (11)**	**19**	**ND (22)**	ND (0.1)	ND (0.1)	**5.5**	**1.6**	**2.3**	ND (0.1)	ND (0.1)	ND (0.1)	0.88	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	ND (0.1)	**43**	ND (0.13)	ND (0.1)	ND (0.1)	**20**	**4.8**	ND (0.1)	**100**	**68**	**160**	ND (0.1)	ND (0.1)	**14**	**5.1**	**5.8**	ND (0.1)	ND (0.1)	ND (0.1)	**1.4**	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	0.13
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)
SUM of PCBs	1	NA	ND	ND	**58**	ND	ND	ND	**26**	**4.8**	ND	**100**	**87**	**160**	ND	ND	**19.5**	**6.7**	**8.1**	ND	ND	ND	**2.28**	ND	ND	ND	ND	0.24
Other																													
Percent Solids, vol. (%wt)	NA	NA	87.9	93.5	85.1	79.1	96.4	96.8	93.8	85.6	96.1	93.4	90.7	88.8	95.9	94.6	89.8	89.4	91.1	97.2	98.1	97.6	94.1	96.2	96.2	93.1	85.3	93
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Y11	Y11	Y11	Y11	Y12	Y12	Y12	Y12	Y13	Y13	Y13	Y13	Y14	Y14	Y14	Y14
Sample Name			Y11_S2_0.6-2.6'	Y11_S3_2.6-4.6'	Y11_S4_4.6-6.6'	Z11_S4_4.6-6.6'	Y12_S1_0-1.0'	Y12_S2_1.0-3.0'	Y12_S3_3.0-5.0'	Y12_S4_5.0-7.0'	Y13_S1_0-1.1'	Y13_S2_1.1-3.1'	Y13_S3_3.1-5.1'	Y13_S4_5.1-7.1'	Y14_S1_0-1.3'	Y14_S2_1.3-3.3'	Y14_S3_3.3-5.3'	Y14_S4_5.3-7.3'
Sample Date			11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																
Lab Sample ID			15K0756-14	15K0756-15	15K0756-16	15K0756-17	15K0756-09	15K0756-10	15K0756-11	15K0756-12	15K0756-05	15K0756-06	15K0756-07	15K0756-08	15K0756-01	15K0756-02	15K0756-03	15K0756-04
Sample Depth (bgs)			0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.6 - 6.6 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	6	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	40	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	30	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	9	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	4	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	3	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	10	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL DATA
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Location Name			Y11	Y11	Y11	Y11	Y12	Y12	Y12	Y12	Y13	Y13	Y13	Y13	Y14	Y14	Y14	Y14
Sample Name			Y11_S2_0.6-2.6'	Y11_S3_2.6-4.6'	Y11_S4_4.6-6.6'	Z11_S4_4.6-6.6'	Y12_S1_0-1.0'	Y12_S2_1.0-3.0'	Y12_S3_3.0-5.0'	Y12_S4_5.0-7.0'	Y13_S1_0-1.1'	Y13_S2_1.1-3.1'	Y13_S3_3.1-5.1'	Y13_S4_5.1-7.1'	Y14_S1_0-1.3'	Y14_S2_1.3-3.3'	Y14_S3_3.3-5.3'	Y14_S4_5.3-7.3'
Sample Date			11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria																
Lab Sample ID			15K0756-14	15K0756-15	15K0756-16	15K0756-17	15K0756-09	15K0756-10	15K0756-11	15K0756-12	15K0756-05	15K0756-06	15K0756-07	15K0756-08	15K0756-01	15K0756-02	15K0756-03	15K0756-04
Sample Depth (bgs)			0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.6 - 6.6 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)
Sample Elevation (ft BCB)			16 to 14	14 to 12	12 to 10	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	90	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	20	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	600	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	400	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	**ND (1.1)**	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	0.3	ND (0.13)	ND (0.12)	0.38	**1.2**	0.13	0.13	**4.8**	0.14	ND (0.12)	ND (0.13)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	**1.4**	0.51	ND (0.13)	ND (0.12)	0.42	**1.5**	0.19	ND (0.12)	**5.3**	0.19	ND (0.12)	ND (0.13)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	**3.5**	0.17	ND (0.13)	ND (0.12)	0.19	0.87	ND (0.11)	ND (0.12)	**2.5**	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
SUM of PCBs	1	NA	ND	ND	ND	ND	**4.9**	0.98	ND	ND	0.99	**3.57**	0.32	0.13	**12.6**	0.33	ND	ND
Other																		
Percent Solids, vol. (%wt)	NA	NA	92.5	89.9	71.6	84.4	93.4	87.7	77.2	85	90.7	89.8	86.8	79.9	89.7	84.2	83	73
Ignitability (Deg F)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mV)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		C12	C13	C14	C15	C16	C17	C18	C19	C20	C7	C8	D12		
Location Name			C12	C13	C14	C15	C16	C17	C18	C19	C20	C7	C8	D12	D12	D12
Sample Name			C12_S1_0.2-3.8	C13_S1_0.5-2.5	C14_S1_0.5-4.6	C15_S1_0.3-4.5	C16_S1_0.5-4.8	C17_S1_0.6-4.6	C18_S1_0.5-4.4	C19_S1_0.4-4.7	C20_S1_0.6-5.5	C7_S1_0-4	C8_S1_0.0-4.0	D12_S1_1-3	D12_S2_3-4.3	Y22_S1_0-2
Sample Date			07/12/2010	07/01/2010	06/29/2010	06/30/2010	06/30/2010	07/01/2010	07/13/2010	07/02/2010	07/12/2010	12/16/2010	12/16/2010	12/17/2010	12/17/2010	12/17/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria														
Lab Sample ID			134654-13 134654-33 134654-38 134865-2	134447-31 134447-37 134447-43 134642-7	134368-10 134368-23 134368-26 134570-2	134417-21 134417-27 134417-32 134608-1	134417-22 134417-22RA1 134417-29 134417-34	134447-11 134447-33 134447-39 134642-2	134718-24 134718-29 134718-33	134478-19 134478-23 134478-26 134716-1	134654-27 134654-27RA1 134654-35 134654-40	138653-43	138653-37	138690-21 138690-21RA1	138690-22 138690-22RA1	138690-33 138690-33RA1
Sample Depth (bgs)			0.2 - 3.8 (ft)	0.5 - 2.5 (ft)	0.5 - 4.6 (ft)	0.3 - 4.5 (ft)	0.5 - 4.8 (ft)	0.6 - 4.6 (ft)	0.5 - 4.4 (ft)	0.4 - 4.7 (ft)	0.6 - 5.5 (ft)	0 - 4 (ft)	0 - 4 (ft)	1 - 3 (ft)	3 - 4.3 (ft)	3 - 4.3 (ft)
Sample Elevation (ft BCB)			21 to 17.4	20.5 to 18.5	20.5 to 16.4	20.5 to 16.3	20.5 to 16.2	20.2 to 16.2	20.5 to 16.6	20.6 to 16.3	20 to 15.1	21 to 17	21 to 17	20.1 to 18.1	18.1 to 16.8	18.1 to 16.8
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																
1,2,4-Trimethylbenzene	1000	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-
Acetone	6	NA	ND (0.2)	ND (0.23)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	-	-	-	-	-
Chlorobenzene	1	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-
Naphthalene	4	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-
Tetrachloroethene	1	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	0.007	0.006	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	ND	ND	ND	0.007	0.006	ND	ND	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
1,4-Dichlorobenzene	0.7	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
2-Methylnaphthalene	0.7	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Acenaphthene	4	NA	ND (0.35)	ND (0.38)	ND (0.36)	0.82	0.38	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Acenaphthylene	1	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Aniline	NA	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Anthracene	1000	NA	0.37	0.53	ND (0.36)	0.55	0.67	0.75	1.7	0.38	0.7	-	-	-	-	-
Benzo(a)anthracene	7	NA	1.2	1.1	0.63	1	1.4	1.4	3	1.1	1.6	-	-	-	-	-
Benzo(a)pyrene	2	NA	1.2	0.95	0.59	0.9	1.2	1.3	**2.5**	1	1.3	-	-	-	-	-
Benzo(b)fluoranthene	7	NA	1.7	1.5	1	1.1	1.6	1.8	3.3	1.6	2	-	-	-	-	-
Benzo(g,h,i)perylene	1000	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	0.95	ND (0.35)	0.37	-	-	-	-	-
Benzo(k)fluoranthene	70	NA	0.69	0.49	ND (0.36)	0.42	0.52	0.69	1.2	0.5	0.8	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.35)	ND (0.38)	0.84	ND (0.35)	ND (0.35)	ND (0.36)	0.6	0.57	ND (0.35)	-	-	-	-	-
Butyl benzylphthalate	100	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Carbazole	NA	NA	ND (0.35)	ND (0.38)	ND (0.36)	0.36	ND (0.35)	0.42	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Chrysene	70	NA	1.3	1	0.71	1	1.5	1.5	2.8	1.1	1.5	-	-	-	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Dibenzofuran	100	NA	ND (0.35)	ND (0.38)	ND (0.36)	0.86	0.38	0.43	0.43	ND (0.35)	ND (0.35)	-	-	-	-	-
Fluoranthene	1000	NA	2.4	2.4	1.3	2.2	3	2.9	6.2	2.2	3.1	-	-	-	-	-
Fluorene	1000	NA	ND (0.35)	ND (0.38)	ND (0.36)	0.79	0.5	0.43	0.71	ND (0.35)	ND (0.35)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	0.45	ND (0.38)	ND (0.36)	0.46	0.44	0.46	1.2	ND (0.35)	0.47	-	-	-	-	-
Isophorone	100	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Naphthalene	4	NA	ND (0.35)	ND (0.38)	ND (0.36)	0.96	ND (0.35)	0.84	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
N-Nitrosodiphenylamine	100	NA	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.35)	-	-	-	-	-
Phenanthrene	10	NA	1.3	2	0.9	2.5	2.4	2.3	5.5	1.2	2.1	-	-	-	-	-
Pyrene	1000	NA	2.2	1.6	1.2	1.8	2.4	2.1	5.5	1.5	2.6	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	12.81	11.57	7.17	15.72	16.39	17.32	35.59	11.15	16.54	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	1	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4)	ND (1.2)	ND (1.2)	ND (1.1)	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	1.1	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4)	1.2	ND (1.2)	ND (1.1)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1)	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4)	1.9	ND (1.2)	ND (1.1)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1)	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4)	1.9	ND (1.2)	ND (1.1)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	1.5	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4)	4.1	ND (1.2)	ND (1.1)	-	-	-	-	-

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		C12	C13	C14	C15	C16	C17	C18	C19	C20	C7	C8	D12		
Location Name			C12	C13	C14	C15	C16	C17	C18	C19	C20	C7	C8	D12	D12	D12
Sample Name			C12_S1_0.2-3.8	C13_S1_0.5-2.5	C14_S1_0.5-4.6	C15_S1_0.3-4.5	C16_S1_0.5-4.8	C17_S1_0.6-4.6	C18_S1_0.5-4.4	C19_S1_0.4-4.7	C20_S1_0.6-5.5	C7_S1_0-4	C8_S1_0.0-4.0	D12_S1_1-3	D12_S2_3-4.3	Y22_S1_0-2
Sample Date			07/12/2010	07/01/2010	06/29/2010	06/30/2010	06/30/2010	07/01/2010	07/13/2010	07/02/2010	07/12/2010	12/16/2010	12/16/2010	12/17/2010	12/17/2010	12/17/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134654-13 134654-33 134654-38	134447-31 134447-37 134447-43	134368-10 134368-23 134368-26	134417-21 134417-27 134417-32	134417-22 134417-22RA1 134417-29	134447-11 134447-33 134447-39	134718-24 134718-29	134478-19 134478-23 134478-26	134654-27 134654-27RA1 134654-35			138690-21	138690-22	138690-33
Lab Sample ID			134865-2	134642-7	134570-2	134608-1	134417-34	134642-2	134718-33	134716-1	134654-40	138653-43	138653-37	138690-21RA1	138690-22RA1	138690-33RA1
Sample Depth (bgs)			0.2 - 3.8 (ft)	0.5 - 2.5 (ft)	0.5 - 4.6 (ft)	0.3 - 4.5 (ft)	0.5 - 4.8 (ft)	0.6 - 4.6 (ft)	0.5 - 4.4 (ft)	0.4 - 4.7 (ft)	0.6 - 5.5 (ft)	0 - 4 (ft)	0 - 4 (ft)	1 - 3 (ft)	3 - 4.3 (ft)	3 - 4.3 (ft)
Sample Elevation (ft BCB)			21 to 17.4	20.5 to 18.5	20.5 to 16.4	20.5 to 16.3	20.5 to 16.2	20.2 to 16.2	20.5 to 16.6	20.6 to 16.3	20 to 15.1	21 to 17	21 to 17	20.1 to 18.1	18.1 to 16.8	18.1 to 16.8
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	200	110	100	290	130	120	200	89	80	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	220	120	120	320	140	140	220	110	96	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	210	180	140	320	150	130	140	76	87	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (32)	ND (35)	ND (33)	160	ND (32)	ND (33)	ND (33)	ND (33)	ND (33)	-	-	-	-	-
Inorganic Compounds (mg/kg)																
Antimony	20	NA	3	2.4	3.3	1.7	ND (1.1)	2.4	ND (1.1)	ND (1.1)	1.5	-	-	-	-	-
Arsenic	20	NA	6.2	ND (3.5)	4.2	7.7	6.5	4.9	3.4	ND (3.4)	ND (3.5)	-	-	-	-	-
Barium	1000	NA	77	63	65	86	50	61	49	59	38	-	-	-	-	-
Beryllium	90	NA	ND (0.31)	ND (0.35)	ND (0.33)	ND (0.35)	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	-	-	-	-	-
Cadmium	70	NA	1.6	1.4	1.6	1.4	1.1	1.2	0.98	1.6	0.88	-	-	-	-	-
Chromium	100	NA	18	32	20	21	15	15	15	21	11	-	-	-	-	-
Chromium VI (Hexavalent)	100	NA	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	120	59	120	120	81	110	98	110	63	-	-	-	-	-
Mercury	20	NA	0.45	0.38	0.3	0.73	0.37	0.38	0.45	0.51	ND (0.019)	-	-	-	-	-
Nickel	600	NA	15	18	14	16	11	11	12	14	10	-	-	-	-	-
Selenium	400	NA	ND (5.2)	ND (5.9)	ND (7)	ND (5.8)	ND (5.6)	ND (5.6)	ND (5.7)	ND (5.7)	ND (5.8)	-	-	-	-	-
Silver	100	NA	ND (1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	-	-	-	-	-
Thallium	8	NA	ND (5.2)	ND (5.9)	ND (5.5)	ND (5.8)	ND (5.6)	ND (5.6)	ND (5.7)	ND (5.7)	ND (5.8)	-	-	-	-	-
Vanadium	400	NA	27	33	29	30	19	21	25	26	14	-	-	-	-	-
Zinc	1000	NA	99	83	120	110	73	100	92	150	77	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																
Lead, Total	NA	5	ND (0.3)	-	ND (0.3)	0.7	-	ND (0.3)	-	ND (0.3)	-	-	-	-	-	-
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.043)	ND (0.045)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.043)	ND (0.045)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.043)	ND (0.045)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.043)	ND (0.045)
Aroclor-1248 (PCB-1248)	1	NA	0.31	0.14	0.13	0.19	0.97	ND (0.044)	0.44	0.53	**1.4**	ND (0.46)	ND (0.045)	**1.1**	ND (0.043)	0.75
Aroclor-1254 (PCB-1254)	1	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	0.26	ND (0.045)	ND (0.044)	ND (0.045)	0.67	0.34	ND (0.045)	**1.4**	ND (0.045)
Aroclor-1260 (PCB-1260)	1	NA	0.15	0.076	0.074	0.12	0.21	0.16	0.44	0.21	0.3	0.47	0.18	0.42	0.71	0.29
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.043)	ND (0.045)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.043)	ND (0.047)	ND (0.043)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.045)	ND (0.46)	ND (0.045)	ND (0.045)	ND (0.043)	ND (0.045)
SUM of PCBs	1	NA	0.46	0.216	0.204	0.31	**1.18**	0.42	0.88	0.74	**1.7**	**1.14**	0.52	**1.52**	**2.11**	**1.04**
Other																
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	165 >	165 >	165 >	165 >	165 >	165 >	165 >	165 >	-	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-	-	-
Oxidation reduction potential (mv)	NA	NA	-	430	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7.1	7.1	8.2	6.9	6.7	6.7	7.1	7.7	7.4	-	-	-	-	-

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		D13	D14	D15	D17	D18	D19	D7	D8			D9		E13	E14
Location Name			D13	D14	D15	D17	D18	D19	D7	D8	D8	D8A	D9	D9	E13	E14
Sample Name			D13_S1_0.4-3.7	D14_S1_0.5-5.5	D15_S1_0.4-4.8	D17_S1_0-4.6	D18_S1_0-3.9	D19_S1_0.4-4.8	D7_S1_0.5-1.3	D8_S1_0.5-1.4	D8_S2_0.5-2.4	D8A_S1_0-2.9	D9_S1_0-4.2	D9_S2_3-8	E13_S1_0-2.2	E14_S1_0.5-6.0
Sample Date			06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/03/2010	06/02/2010	06/08/2010	06/07/2010	06/07/2010	12/15/2010	12/15/2010	12/15/2010	06/04/2010	06/03/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria									133708-54					
			133644-37					133618-51	133736-10		133708-66	138629-25		138629-19		133644-34
			133644-46	133644-36	133618-47	133618-44	133644-33	133618-51RA1	133736-55		133708-74	138629-25RA1		138629-26	133689-44	133644-42
			133644-53	133644-44	133618-57	133618-54	133644-40	133618-61	133736-65	133708-14	133941-6	138629-29		138629-33	133689-56	133644-49
Lab Sample ID			133842-3	133644-51	133618-67	133618-64	133644-47	133618-71	134154-2	133708-14RA1	133941-7	138629-36	138629-6	138772-1	133689-65	133842-1
Sample Depth (bgs)			0.4 - 3.7 (ft)	0.5 - 5.5 (ft)	0.4 - 4.8 (ft)	0 - 4.6 (ft)	0 - 3.9 (ft)	0.4 - 4.8 (ft)	0.5 - 1.3 (ft)	0.5 - 1.4 (ft)	0.5 - 2.4 (ft)	0 - 2.9 (ft)	0 - 4.2 (ft)	3 - 8 (ft)	0 - 2.2 (ft)	0.5 - 6 (ft)
Sample Elevation (ft BCB)			20.8 to 17.5	20.6 to 15.6	20.8 to 16.4	21.2 to 16.6	21 to 17.1	20.4 to 16	18 to 17.2	18.7 to 17.8	18.7 to 16.8	19 to 16.1	20.9 to 16.7	17.9 to 12.9	21.5 to 19.3	20.9 to 15.4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																
1,2,4-Trimethylbenzene	1000	NA	ND (0.008)	ND (0.007)	ND (0.009)	ND (0.005)	ND (0.006)	ND (0.006)	ND (0.007)	-	ND (0.009)	ND (0.005)	-	ND (0.25)	ND (0.25)	ND (0.007)
1,4-Dichlorobenzene	0.7	NA	ND (0.008)	ND (0.007)	ND (0.009)	ND (0.005)	ND (0.006)	ND (0.006)	ND (0.007)	-	ND (0.009)	ND (0.005)	-	ND (0.25)	ND (0.25)	ND (0.007)
Acetone	6	NA	ND (0.3)	ND (0.29)	ND (0.34)	ND (0.2)	ND (0.22)	ND (0.24)	ND (0.29)	-	ND (0.37)	ND (0.2)	-	ND (2.5)	ND (2.5)	ND (0.29)
Chlorobenzene	1	NA	ND (0.008)	ND (0.007)	ND (0.009)	ND (0.005)	ND (0.006)	ND (0.006)	ND (0.007)	-	ND (0.009)	ND (0.005)	-	ND (0.25)	ND (0.25)	ND (0.007)
Methyl Tert Butyl Ether	0.1	NA	ND (0.008)	ND (0.007)	ND (0.009)	ND (0.005)	ND (0.006)	ND (0.006)	ND (0.007)	-	ND (0.009)	ND (0.005)	-	**ND (0.25)**	**ND (0.25)**	ND (0.007)
Naphthalene	4	NA	ND (0.008)	ND (0.007)	ND (0.009)	ND (0.005)	ND (0.006)	0.02	ND (0.007)	-	ND (0.009)	ND (0.005)	-	ND (0.25)	0.9	ND (0.007)
Tetrachloroethene	1	NA	ND (0.008)	ND (0.007)	ND (0.009)	ND (0.005)	ND (0.006)	ND (0.006)	ND (0.007)	-	ND (0.009)	ND (0.005)	-	ND (0.25)	ND (0.25)	ND (0.007)
SUM of Volatile Organic Compounds	NA	NA	ND	ND	ND	ND	ND	0.02	ND	-	ND	ND	-	ND	0.9	ND
Semi-Volatile Organic Compounds (mg/kg)																
1,4-Dichlorobenzene	0.7	NA	ND (0.35)	ND (0.34)	ND (0.36)	**ND (0.7)**	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
2-Methylnaphthalene	0.7	NA	ND (0.35)	ND (0.34)	ND (0.36)	**ND (0.7)**	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
3&4-Methylphenol	NA	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Acenaphthene	4	NA	ND (0.35)	ND (0.34)	0.37	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Acenaphthylene	1	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Aniline	NA	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Anthracene	1000	NA	0.43	0.54	0.73	0.83	ND (0.35)	0.48	ND (0.34)	-	0.71	0.45	-	ND (0.37)	0.45	0.37
Benzo(a)anthracene	7	NA	0.74	1.6	1.7	2.3	0.43	1.2	0.71	-	1.5	1.1	-	0.48	0.91	0.87
Benzo(a)pyrene	2	NA	0.61	1.4	1.5	**2.1**	0.44	1.1	0.61	-	1.4	1.1	-	0.41	0.79	0.84
Benzo(b)fluoranthene	7	NA	0.77	1.7	1.8	2.5	0.62	1.5	0.8	-	1.7	1.5	-	0.58	1	1.2
Benzo(g,h,i)perylene	1000	NA	0.4	0.88	0.99	0.86	ND (0.35)	0.38	0.52	-	0.86	ND (0.37)	-	ND (0.37)	0.6	ND (0.36)
Benzo(k)fluoranthene	70	NA	ND (0.35)	0.61	0.61	0.99	ND (0.35)	0.55	ND (0.34)	-	0.66	0.52	-	ND (0.37)	0.35	0.43
bis(2-Ethylhexyl)phthalate	90	NA	0.52	0.35	1.8	ND (0.7)	ND (0.35)	0.38	ND (0.34)	-	0.75	0.37	-	0.43	ND (0.33)	0.4
Butyl benzylphthalate	100	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Carbazole	NA	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Chrysene	70	NA	0.76	1.4	1.6	2.2	0.46	1.2	0.72	-	1.8	1.2	-	0.44	0.93	0.92
Dibenz(a,h)anthracene	0.7	NA	ND (0.35)	ND (0.34)	ND (0.36)	**ND (0.7)**	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Dibenzofuran	100	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Fluoranthene	1000	NA	1.6	3.1	3.3	4.5	0.85	2.3	1.3	-	3.4	2.2	-	1.2	1.9	1.8
Fluorene	1000	NA	ND (0.35)	ND (0.34)	0.38	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Indeno(1,2,3-cd)pyrene	7	NA	0.39	1	1.1	1.1	ND (0.35)	0.44	0.51	-	1	0.44	-	ND (0.37)	0.62	ND (0.36)
Isophorone	100	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Naphthalene	4	NA	ND (0.35)	ND (0.34)	0.45	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	0.33	ND (0.36)
N-Nitrosodiphenylamine	100	NA	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.37)	ND (0.34)	-	ND (0.36)	ND (0.37)	-	ND (0.37)	ND (0.33)	ND (0.36)
Phenanthrene	10	NA	1.4	1.9	2.6	3	0.68	1.6	0.79	-	2.6	1.6	-	0.83	1.6	1.2
Pyrene	1000	NA	1.4	2.6	3.1	3.6	0.69	1.9	1.2	-	3	1.9	-	1	1.5	1.4
SUM of Semi-Volatile Organic Compounds	NA	NA	9.02	17.08	22.03	23.98	4.17	13.03	7.16	-	19.38	12.38	-	5.37	10.98	9.43
Total Petroleum Hydrocarbons (mg/kg)																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.3)	ND (1.1)	ND (1.2)	ND (1)	ND (1)	ND (1.4)	ND (1.1)	-	ND (1.7)	ND (1)	-	ND (1.1)	ND (1)	ND (1.2)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.3)	ND (1.1)	ND (1.2)	ND (1)	ND (1)	ND (1.4)	ND (1.1)	-	ND (1.7)	ND (1)	-	ND (1.1)	ND (1)	ND (1.2)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.3)	ND (1.1)	ND (1.2)	ND (1)	ND (1)	ND (1.4)	ND (1.1)	-	ND (1.7)	ND (1)	-	ND (1.1)	1.3	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.3)	ND (1.1)	ND (1.2)	ND (1)	ND (1)	ND (1.4)	ND (1.1)	-	ND (1.7)	ND (1)	-	ND (1.1)	ND (1)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.3)	1.3	ND (1.2)	ND (1)	ND (1)	2.4	ND (1.1)	-	ND (1.7)	1	-	ND (1.1)	1.5	ND (1.2)

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		D13	D14	D15	D17	D18	D19	D7	D8			D9		E13	E14
Location Name			D13	D14	D15	D17	D18	D19	D7	D8	D8	D8A	D9	D9	E13	E14
Sample Name			D13_S1_0.4-3.7	D14_S1_0.5-5.5	D15_S1_0.4-4.8	D17_S1_0-4.6	D18_S1_0-3.9	D19_S1_0.4-4.8	D7_S1_0.5-1.3	D8_S1_0.5-1.4	D8_S2_0.5-2.4	D8A_S1_0-2.9	D9_S1_0-4.2	D9_S2_3-8	E13_S1_0-2.2	E14_S1_0.5-6.0
Sample Date			06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/03/2010	06/02/2010	06/08/2010	06/07/2010	06/07/2010	12/15/2010	12/15/2010	12/15/2010	06/04/2010	06/03/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	133644-37					133618-51	133736-10		133708-54 133708-66	138629-25		138629-19		133644-34
			133644-46	133644-36	133618-47	133618-44	133644-33	133618-51RA1	133736-55		133708-74	138629-25RA1		138629-26	133689-44	133644-42
			133644-53	133644-44	133618-57	133618-54	133644-40	133618-61	133736-65	133708-14	133941-6	138629-29		138629-33	133689-56	133644-49
Lab Sample ID			133842-3	133644-51	133618-67	133618-64	133644-47	133618-71	134154-2	133708-14RA1	133941-7	138629-36	138629-6	138772-1	133689-65	133842-1
Sample Depth (bgs)			0.4 - 3.7 (ft)	0.5 - 5.5 (ft)	0.4 - 4.8 (ft)	0 - 4.6 (ft)	0 - 3.9 (ft)	0.4 - 4.8 (ft)	0.5 - 1.3 (ft)	0.5 - 1.4 (ft)	0.5 - 2.4 (ft)	0 - 2.9 (ft)	0 - 4.2 (ft)	3 - 8 (ft)	0 - 2.2 (ft)	0.5 - 6 (ft)
Sample Elevation (ft BCB)			20.8 to 17.5	20.6 to 15.6	20.8 to 16.4	21.2 to 16.6	21 to 17.1	20.4 to 16	18 to 17.2	18.7 to 17.8	18.7 to 16.8	19 to 16.1	20.9 to 16.7	17.9 to 12.9	21.5 to 19.3	20.9 to 15.4
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	75	88	82	52	ND (32)	83	74	-	87	95	-	33	110	88
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	83	110	100	62	ND (32)	96	89	-	100	120	-	37	120	110
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	120	90	100	51	35	59	100	-	100	69	-	52	130	86
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (31)	ND (30)	ND (33)	ND (33)	ND (32)	ND (33)	ND (32)	-	ND (33)	ND (23)	-	ND (23)	ND (30)	ND (33)
Inorganic Compounds (mg/kg)																
Antimony	20	NA	1.7	1.7	1.4	1.6	ND (1.1)	ND (1.1)	2	-	2.9	3.9	-	3.5	ND (1.1)	1.7
Arsenic	20	NA	ND (3.3)	ND (3.2)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.4)	ND (3.4)	-	5	ND (3.4)	-	ND (3.5)	ND (3.2)	**59**
Barium	1000	NA	56	35	30	37	14	47	68	-	99	57	-	37	41	82
Beryllium	90	NA	ND (0.33)	ND (0.32)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.34)	ND (0.34)	-	ND (0.33)	ND (0.34)	-	ND (0.35)	ND (0.32)	ND (0.34)
Cadmium	70	NA	0.67	0.63	ND (0.55)	0.57	ND (0.55)	0.72	1	-	1.6	1.3	-	1.3	0.55	1.7
Chromium	100	NA	11	10	9.2	15	4.4	16	22	-	35	22	-	7.3	13	25
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Lead	200	NA	130	60	36	29	21	77	100	-	150	87	-	110	39	110
Mercury	20	NA	0.14	0.48	0.39	0.094	0.22	0.24	0.33	-	0.78	0.65	-	0.12	0.35	0.29
Nickel	600	NA	9.2	6.9	6.2	14	ND (5.5)	11	16	-	23	15	-	8.7	7.5	38
Selenium	400	NA	ND (5.5)	ND (5.3)	ND (5.5)	ND (5.5)	ND (5.5)	ND (5.6)	ND (5.6)	-	ND (5.6)	ND (5.6)	-	ND (5.8)	ND (5.4)	6.5
Silver	100	NA	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-	ND (1.1)	ND (1.1)	-	ND (1.2)	ND (1.1)	ND (1.1)
Thallium	8	NA	ND (5.5)	ND (5.3)	ND (5.5)	ND (5.5)	ND (5.5)	ND (5.6)	ND (5.6)	-	ND (5.6)	ND (5.6)	-	ND (5.8)	ND (5.4)	ND (5.7)
Vanadium	400	NA	20	15	14	21	8.6	23	33	-	51	48	-	23	20	34
Zinc	1000	NA	61	75	50	51	29	74	110	-	180	85	-	110	51	150
TCLP Inorganic Compounds (mg/L)																
Lead, Total	NA	5	ND (0.3)	-	-	-	-	-	ND (0.3)	-	ND (0.3)	-	-	ND (0.3)	-	ND (0.3)
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.21)	ND (0.04)	-	ND (0.046)	ND (0.043)	-	ND (0.04)	ND (0.22)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.21)	ND (0.04)	-	ND (0.046)	ND (0.043)	-	ND (0.04)	ND (0.22)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.21)	ND (0.04)	-	ND (0.046)	ND (0.043)	-	ND (0.04)	ND (0.22)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	**2.6**	ND (0.21)	ND (0.04)	-	ND (0.046)	ND (0.043)	-	ND (0.04)	**1.1**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.21)	ND (0.04)	-	ND (0.046)	0.32	-	ND (0.04)	ND (0.22)
Aroclor-1254 (PCB-1254)	1	NA	0.38	0.91	0.54	0.96	0.45	ND (0.04)	0.69	0.84	-	0.82	ND (0.043)	-	0.087	ND (0.22)
Aroclor-1260 (PCB-1260)	1	NA	0.18	0.36	0.24	0.49	0.43	0.26	0.24	0.28	-	0.34	0.11	-	0.048	0.31
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.21)	ND (0.04)	-	ND (0.046)	ND (0.043)	-	ND (0.04)	ND (0.22)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.2)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.21)	ND (0.04)	-	ND (0.046)	ND (0.043)	-	ND (0.04)	ND (0.22)
SUM of PCBs	1	NA	0.56	**1.27**	0.78	**1.45**	0.88	**2.86**	0.93	**1.12**	-	**1.16**	0.43	-	0.135	**1.41**
Other																
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	165 >	165 >	165 >	165 >	165 >	165 >	-	165 >	165 >	-	165 >	165 >	165 >
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	ND (50)	ND (50)	-	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (100)	ND (100)	-	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	6.9	6.8	6.9	6.5	6.9	6.7	8	-	7.1	9.1	-	7.2	7.6	6.9

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		E15	E22		E7	E8	F11	F13	F14		F15	F7	F8	G10
Location Name			E15	E22	E22	E7	E8	F11	F13	F14	F14	F15	F7	F8	G10
Sample Name			E15_S1_0.5-5.5	E22_S1_0.3-8.3	E22_S2_0.3-4.3	E7_S1_0.5-2.0	E8_S01_1.0-3.0	F11_S1_0.6-5.8	F13_S1_0.5-7.4	F14_S1_0.7-7.0	Z14_S1_0.7-7.0	F15_S1_0.5-5.4	F7_S1_0-4.4	F8_S1_0.5-2.0	G10_S1_0.3-4.0
Sample Date			01/10/2011	02/10/2015	02/10/2015	06/25/2010	06/07/2010	01/06/2011	12/22/2010	01/07/2011	01/07/2011	12/22/2010	06/07/2010	06/28/2010	06/10/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria													
Lab Sample ID			139069-7	15B0316-01	15B0316-02	134292-10 134292-50 134292-58	133708-48 133708-64 133708-72 133941-1	139017-29 139017-29RA1 139017-35 139017-39	138765-1	139039-1	139039-7 139039-7RA1	138765-9	133708-49 133708-59 133708-67 133941-2	134316-33 134316-33RA1 134316-40 134316-47	133820-39 133820-39RA1 133820-50 133820-58
Sample Depth (bgs)			0.5 - 5.5 (ft)	0.3 - 8.3 (ft)	0.3 - 4.3 (ft)	0.5 - 2 (ft)	1 - 3 (ft)	0.6 - 5.8 (ft)	0.5 - 7.4 (ft)	0.7 - 7 (ft)	0.7 - 7 (ft)	0.5 - 5.4 (ft)	0 - 4.4 (ft)	0.5 - 2 (ft)	0.3 - 4 (ft)
Sample Elevation (ft BCB)			21 to 16	20 to 12	20 to 16	18 to 16.5	18.4 to 16.4	21 to 15.8	21.3 to 14.4	21 to 14.7	21 to 14.7	21 to 16.1	18.4 to 14	18.4 to 16.9	21 to 17.3
Soil Description			FILL	FILL	FILL	FILL	FILL	RUBBLE FILL/FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)															
1,2,4-Trimethylbenzene	1000	NA	-	ND (0.0013)	-	ND (0.008)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	-	ND (0.0013)	-	ND (0.008)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.006)
Acetone	6	NA	-	ND (0.067)	-	ND (0.33)	ND (0.28)	ND (0.2)	-	-	-	-	ND (0.21)	ND (0.2)	ND (0.23)
Chlorobenzene	1	NA	-	ND (0.0013)	-	ND (0.008)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	-	ND (0.0027)	-	ND (0.008)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.006)
Naphthalene	4	NA	-	ND (0.0067)	-	ND (0.008)	ND (0.007)	ND (0.005)	-	-	-	-	0.068	ND (0.005)	ND (0.006)
Tetrachloroethene	1	NA	-	ND (0.0013)	-	ND (0.008)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	ND	ND	ND	-	-	-	-	0.068	ND	ND
Semi-Volatile Organic Compounds (mg/kg)															
1,4-Dichlorobenzene	0.7	NA	-	**ND (0.74)**	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
2-Methylnaphthalene	0.7	NA	-	ND (0.37)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
3&4-Methylphenol	NA	NA	-	ND (0.74)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Acenaphthene	4	NA	-	ND (0.37)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Acenaphthylene	1	NA	-	ND (0.37)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Aniline	NA	NA	-	ND (0.74)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Anthracene	1000	NA	-	0.79	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	0.41	ND (0.36)	0.39
Benzo(a)anthracene	7	NA	-	1.5	-	0.63	0.95	ND (0.37)	-	-	-	-	1.4	0.95	1.2
Benzo(a)pyrene	2	NA	-	1.4	-	0.56	0.84	ND (0.37)	-	-	-	-	1.3	0.9	1
Benzo(b)fluoranthene	7	NA	-	1.8	-	0.87	1.1	0.37	-	-	-	-	1.6	1.5	1.6
Benzo(g,h,i)perylene	1000	NA	-	0.77	-	ND (0.35)	0.68	ND (0.37)	-	-	-	-	0.98	ND (0.36)	ND (0.35)
Benzo(k)fluoranthene	70	NA	-	0.75	-	ND (0.35)	0.39	ND (0.37)	-	-	-	-	0.52	0.55	0.59
bis(2-Ethylhexyl)phthalate	90	NA	-	ND (0.74)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	0.48
Butyl benzylphthalate	100	NA	-	ND (0.74)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Carbazole	NA	NA	-	-	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Chrysene	70	NA	-	1.5	-	0.64	1	ND (0.37)	-	-	-	-	1.4	1.1	1.3
Dibenz(a,h)anthracene	0.7	NA	-	ND (0.37)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Dibenzofuran	100	NA	-	ND (0.74)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Fluoranthene	1000	NA	-	3.4	-	1.5	1.7	0.57	-	-	-	-	2.8	1.6	2.1
Fluorene	1000	NA	-	ND (0.37)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Indeno(1,2,3-cd)pyrene	7	NA	-	0.83	-	ND (0.35)	0.71	ND (0.37)	-	-	-	-	1.1	ND (0.36)	0.41
Isophorone	100	NA	-	ND (0.74)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Naphthalene	4	NA	-	ND (0.37)	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
N-Nitrosodiphenylamine	100	NA	-	-	-	ND (0.35)	ND (0.35)	ND (0.37)	-	-	-	-	ND (0.37)	ND (0.36)	ND (0.35)
Phenanthrene	10	NA	-	2.8	-	1.1	1.1	0.43	-	-	-	-	1.9	0.87	1.3
Pyrene	1000	NA	-	3	-	1.3	1.5	0.52	-	-	-	-	2.6	1.5	2
SUM of Semi-Volatile Organic Compounds	NA	NA	-	18.54	-	6.6	9.97	1.89	-	-	-	-	16.01	8.97	12.37
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	560	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)															
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	ND (1.5)	ND (1.2)	ND (1.3)	-	-	-	-	1.3	ND (1.2)	ND (1.5)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.5)	ND (1.2)	ND (1.3)	-	-	-	-	1.6	ND (1.2)	ND (1.5)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	ND (1.5)	ND (1.2)	ND (1.3)	-	-	-	-	1.6	ND (1.2)	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	ND (1.5)	ND (1.2)	ND (1.3)	-	-	-	-	1.5	ND (1.2)	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	ND (1.5)	1.3	ND (1.3)	-	-	-	-	3.5	ND (1.2)	ND (1.5)

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		E15	E22		E7	E8	F11	F13	F14		F15	F7	F8	G10
Location Name			E15	E22	E22	E7	E8	F11	F13	F14	F14	F15	F7	F8	G10
Sample Name			E15_S1_0.5-5.5	E22_S1_0.3-8.3	E22_S2_0.3-4.3	E7_S1_0.5-2.0	E8_S01_1.0-3.0	F11_S1_0.6-5.8	F13_S1_0.5-7.4	F14_S1_0.7-7.0	Z14_S1_0.7-7.0	F15_S1_0.5-5.4	F7_S1_0-4.4	F8_S1_0.5-2.0	G10_S1_0.3-4.0
Sample Date			01/10/2011	02/10/2015	02/10/2015	06/25/2010	06/07/2010	01/06/2011	12/22/2010	01/07/2011	01/07/2011	12/22/2010	06/07/2010	06/28/2010	06/10/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria					133708-48	139017-29					133708-49	134316-33	133820-39
						134292-10	133708-64	139017-29RA1					133708-59	134316-33RA1	133820-39RA1
						134292-50	133708-72	139017-35			139039-7		133708-67	134316-40	133820-50
Lab Sample ID			139069-7	15B0316-01	15B0316-02	134292-58	133941-1	139017-39	138765-1	139039-1	139039-7RA1	138765-9	133941-2	134316-47	133820-58
Sample Depth (bgs)			0.5 - 5.5 (ft)	0.3 - 8.3 (ft)	0.3 - 4.3 (ft)	0.5 - 2 (ft)	1 - 3 (ft)	0.6 - 5.8 (ft)	0.5 - 7.4 (ft)	0.7 - 7 (ft)	0.7 - 7 (ft)	0.5 - 5.4 (ft)	0 - 4.4 (ft)	0.5 - 2 (ft)	0.3 - 4 (ft)
Sample Elevation (ft BCB)			21 to 16	20 to 12	20 to 16	18 to 16.5	18.4 to 16.4	21 to 15.8	21.3 to 14.4	21 to 14.7	21 to 14.7	21 to 16.1	18.4 to 14	18.4 to 16.9	21 to 17.3
Soil Description			FILL	FILL	FILL	FILL	FILL	RUBBLE FILL/FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)															
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	82	75	130	-	-	-	-	340	54	140
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	89	91	140	-	-	-	-	550	62	160
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	95	83	140	-	-	-	-	64	77	120
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	ND (33)	ND (34)	ND (24)	-	-	-	-	ND (34)	ND (34)	ND (33)
Inorganic Compounds (mg/kg)															
Antimony	20	NA	-	-	-	ND (1.1)	1.9	3.7	-	-	-	-	5	1.5	2.5
Arsenic	20	NA	-	5.9	-	ND (3.2)	3.4	ND (3.5)	-	-	-	-	ND (3.6)	ND (3.5)	ND (3.2)
Barium	1000	NA	-	65	-	29	49	60	-	-	-	-	73	61	53
Beryllium	90	NA	-	-	-	ND (0.32)	ND (0.33)	ND (0.35)	-	-	-	-	ND (0.36)	ND (0.35)	ND (0.32)
Cadmium	70	NA	-	0.61	-	0.86	0.74	1.1	-	-	-	-	2.5	1.1	0.79
Chromium	100	NA	-	19	-	19	16	20	-	-	-	-	25	24	12
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	-	88	-	33	**270**	97	-	-	-	-	**450**	78	85
Mercury	20	NA	-	0.38	-	0.31	0.69	0.27	-	-	-	-	0.57	0.16	0.82
Nickel	600	NA	-	-	-	12	10	16	-	-	-	-	18	15	9.4
Selenium	400	NA	-	ND (6)	-	ND (5.4)	ND (5.5)	ND (5.8)	-	-	-	-	ND (6)	ND (5.8)	ND (5.4)
Silver	100	NA	-	ND (0.6)	-	ND (1.1)	ND (1.1)	ND (1.2)	-	-	-	-	ND (1.2)	ND (1.2)	ND (1.1)
Thallium	8	NA	-	-	-	ND (5.4)	ND (5.5)	ND (5.8)	-	-	-	-	ND (6)	ND (5.8)	ND (5.4)
Vanadium	400	NA	-	-	-	32	24	35	-	-	-	-	35	31	22
Zinc	1000	NA	-	-	-	68	75	88	-	-	-	-	330	77	79
TCLP Inorganic Compounds (mg/L)															
Lead, Total	NA	5	-	-	-	-	ND (0.3)	-	-	-	-	-	2.8	-	-
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1016 (PCB-1016)	1	NA	ND (0.44)	-	ND (0.11)	ND (0.043)	ND (0.44)	ND (0.047)	ND (0.043)	ND (0.46)	ND (0.045)	ND (0.044)	**ND (1.1)**	ND (0.044)	ND (0.044)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.44)	-	ND (0.11)	ND (0.043)	ND (0.44)	ND (0.047)	ND (0.043)	ND (0.46)	ND (0.045)	ND (0.044)	**ND (1.1)**	ND (0.044)	ND (0.044)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.44)	-	ND (0.11)	ND (0.043)	ND (0.44)	ND (0.047)	ND (0.043)	ND (0.46)	ND (0.045)	ND (0.044)	**ND (1.1)**	ND (0.044)	ND (0.044)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.44)	-	ND (0.11)	ND (0.043)	ND (0.44)	ND (0.047)	ND (0.043)	ND (0.46)	ND (0.045)	ND (0.044)	**ND (1.1)**	ND (0.044)	**2.2**
Aroclor-1248 (PCB-1248)	1	NA	**1.5**	-	0.57	0.4	ND (0.44)	0.99	ND (0.043)	**2.1**	**3.6**	ND (0.044)	**10**	0.58	ND (0.044)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.44)	-	0.44	ND (0.043)	**1.3**	ND (0.047)	0.3	ND (0.46)	ND (0.045)	0.36	**ND (1.1)**	ND (0.044)	ND (0.044)
Aroclor-1260 (PCB-1260)	1	NA	0.57	-	0.14	0.11	0.78	ND (0.047)	0.16	ND (0.46)	0.33	0.24	**4.7**	0.086	0.29
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.44)	-	ND (0.11)	ND (0.043)	ND (0.44)	ND (0.047)	ND (0.043)	ND (0.46)	ND (0.045)	ND (0.044)	ND (1.1)	ND (0.044)	ND (0.044)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.44)	-	ND (0.11)	ND (0.043)	ND (0.44)	ND (0.047)	ND (0.043)	ND (0.46)	ND (0.045)	ND (0.044)	ND (1.1)	ND (0.044)	ND (0.044)
SUM of PCBs	1	NA	**2.07**	-	**1.15**	0.51	**2.08**	0.99	0.46	**2.1**	**3.93**	0.6	**14.7**	0.666	**2.49**
Other															
Percent Solids, vol. (%wt)	NA	NA	-	90.7	89.2	-	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	165 >	165 >	165 >	-	-	-	-	165 >	165 >	165 >
Ignitability (PA)	NA	NA	-	NI	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	ND (4)	-	ND (50)	ND (50)	ND (50)	-	-	-	-	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	ND (20)	-	ND (100)	ND (100)	ND (100)	-	-	-	-	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	71	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	9.4	-	6.9	8.5	7	-	-	-	-	7.2	7.3	8.7

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		G14	G15		G18		G7	G8	G9	H10	H12	H16	H17		H7
Location Name			G14	G15	G15	G18	G18	G7	G8	G9	H10	H12	H16	H17	H17	H7
Sample Name			G14_S1_0.5-7	G15_S1_0.5-1.2	G15_S2_1.7-5.5	G18_S1_0.3-9.0	G18_S2_0.3-5.0	G7_S1_0-3.4	G8_S1_0-2.4	G9_S1_0-5.4	H10_S1_1-5	H12_S1_0.5-3.5	H16_S1_1-4	H17_S1_0.6-4.6	Z17_S1_0.6-4.6	H7_S1_0.5-3.5
Sample Date			12/22/2010	12/23/2010	12/23/2010	02/12/2015	02/12/2015	06/08/2010	06/08/2010	06/11/2010	06/10/2010	01/06/2011	01/05/2011	01/06/2011	01/06/2011	06/08/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria						133736-24 133736-24RA1 133736-57 133736-67	133736-34 133736-59 133736-69 134154-10	133875-51 133875-62	133820-36 133820-45 133820-53	139017-32 139017-37 139017-41	138980-19	139017-3	139017-7	133736-42 133736-61 133736-71 134154-11
Lab Sample ID			138765-16 138765-16RA1	138796-10	138796-11 138796-11RA1	15B0409-01 15B0409-01RE1	15B0409-02	134154-4	134154-5	133875-71	134052-1	139158-1	138980-19RA1	139017-3RA1	139017-7RA1	134154-7
Sample Depth (bgs)			0.5 - 7 (ft)	0.5 - 1.2 (ft)	1.7 - 5.5 (ft)	0.3 - 9 (ft)	0.3 - 5 (ft)	0 - 3.4 (ft)	0 - 2.4 (ft)	0 - 5.4 (ft)	1 - 5 (ft)	0.5 - 3.5 (ft)	1 - 4 (ft)	0.6 - 4.6 (ft)	0.6 - 4.6 (ft)	0.5 - 3.5 (ft)
Sample Elevation (ft BCB)			20.9 to 14.4	20.8 to 20.1	19.6 to 15.8	20.7 to 12	20.7 to 16	18 to 14.6	19 to 16.6	21.2 to 15.8	20 to 16	20.8 to 17.8	20 to 17	20.4 to 16.4	20.4 to 16.4	17.5 to 14.5
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																
1,2,4-Trimethylbenzene	1000	NA	-	-	-	ND (0.0018)	-	ND (0.005)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	-	-	-	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.0018)	-	ND (0.005)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	-	-	-	ND (0.006)
Acetone	6	NA	-	-	-	ND (0.089)	-	ND (0.2)	ND (0.22)	ND (0.28)	ND (0.26)	ND (0.2)	-	-	-	ND (0.25)
Chlorobenzene	1	NA	-	-	-	ND (0.0018)	-	ND (0.005)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	-	-	-	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	-	-	-	ND (0.0035)	-	ND (0.005)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	-	-	-	ND (0.006)
Naphthalene	4	NA	-	-	-	ND (0.0089)	-	ND (0.005)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	-	-	-	ND (0.006)
Tetrachloroethene	1	NA	-	-	-	ND (0.0018)	-	ND (0.005)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	-	-	-	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	-	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																
1,4-Dichlorobenzene	0.7	NA	-	-	-	ND (0.37)	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
2-Methylnaphthalene	0.7	NA	-	-	-	**0.72**	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
3&4-Methylphenol	NA	NA	-	-	-	ND (0.37)	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Acenaphthene	4	NA	-	-	-	1	-	0.78	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Acenaphthylene	1	NA	-	-	-	ND (0.19)	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Aniline	NA	NA	-	-	-	ND (0.37)	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Anthracene	1000	NA	-	-	-	1.4	-	0.8	0.65	0.39	0.54	0.57	-	-	-	0.65
Benzo(a)anthracene	7	NA	-	-	-	2	-	0.83	1.7	0.84	1.2	1.4	-	-	-	1.4
Benzo(a)pyrene	2	NA	-	-	-	1.7	-	0.71	1.4	0.76	1.1	1.2	-	-	-	1.3
Benzo(b)fluoranthene	7	NA	-	-	-	2.1	-	0.87	1.8	1	1.5	1.5	-	-	-	1.5
Benzo(g,h,i)perylene	1000	NA	-	-	-	0.96	-	0.54	0.7	ND (0.36)	0.48	0.56	-	-	-	0.74
Benzo(k)fluoranthene	70	NA	-	-	-	0.84	-	ND (0.33)	0.66	ND (0.36)	0.55	0.66	-	-	-	0.51
bis(2-Ethylhexyl)phthalate	90	NA	-	-	-	1.2	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Butyl benzylphthalate	100	NA	-	-	-	ND (0.37)	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	0.49	-	-	-	ND (0.37)
Carbazole	NA	NA	-	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Chrysene	70	NA	-	-	-	2	-	0.85	1.8	0.85	1.3	1.4	-	-	-	1.4
Dibenz(a,h)anthracene	0.7	NA	-	-	-	0.27	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Dibenzofuran	100	NA	-	-	-	0.88	-	0.66	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Fluoranthene	1000	NA	-	-	-	4.7	-	2.6	3.2	2	2.4	2.5	-	-	-	2.9
Fluorene	1000	NA	-	-	-	1.5	-	1.3	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	-	1.1	-	0.59	0.94	ND (0.36)	0.54	0.62	-	-	-	0.88
Isophorone	100	NA	-	-	-	ND (0.37)	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Naphthalene	4	NA	-	-	-	1.4	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
N-Nitrosodiphenylamine	100	NA	-	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	ND (0.37)
Phenanthrene	10	NA	-	-	-	5.2	-	4.1	1.5	1.6	1.8	1.8	-	-	-	2.2
Pyrene	1000	NA	-	-	-	5	-	2.2	2.9	1.7	2.1	2.3	-	-	-	2.6
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	-	33.97	-	16.83	17.25	9.14	13.51	15	-	-	-	16.08
Total Petroleum Hydrocarbons (mg/kg)																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	520	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	-	-	-	ND (1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	-	-	-	ND (1.3)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	ND (1)	ND (1.2)	ND (1.1)	ND (1.2)	1.2	-	-	-	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	-	-	-	1.5	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	-	-	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	ND (1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	-	-	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	2.4	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	-	-	-	ND (1.3)

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		G14	G15		G18		G7	G8	G9	H10	H12	H16	H17		H7
Location Name			G14	G15	G15	G18	G18	G7	G8	G9	H10	H12	H16	H17	H17	H7
Sample Name			G14_S1_0.5-7	G15_S1_0.5-1.2	G15_S2_1.7-5.5	G18_S1_0.3-9.0	G18_S2_0.3-5.0	G7_S1_0-3.4	G8_S1_0-2.4	G9_S1_0-5.4	H10_S1_1-5	H12_S1_0.5-3.5	H16_S1_1-4	H17_S1_0.6-4.6	Z17_S1_0.6-4.6	H7_S1_0.5-3.5
Sample Date			12/22/2010	12/23/2010	12/23/2010	02/12/2015	02/12/2015	06/08/2010	06/08/2010	06/11/2010	06/10/2010	01/06/2011	01/05/2011	01/06/2011	01/06/2011	06/08/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria						133736-24 133736-24RA1 133736-57 133736-67	133736-34 133736-59 133736-69 134154-10	133875-51 133875-62	133820-36 133820-45 133820-53	139017-32 139017-37 139017-41	138980-19	139017-3	139017-7	133736-42 133736-61 133736-71 134154-11
Lab Sample ID			138765-16 138765-16RA1	138796-10	138796-11 138796-11RA1	15B0409-01 15B0409-01RE1	15B0409-02	134154-4	134154-5	133875-71	134052-1	139158-1	138980-19RA1	139017-3RA1	139017-7RA1	134154-7
Sample Depth (bgs)			0.5 - 7 (ft)	0.5 - 1.2 (ft)	1.7 - 5.5 (ft)	0.3 - 9 (ft)	0.3 - 5 (ft)	0 - 3.4 (ft)	0 - 2.4 (ft)	0 - 5.4 (ft)	1 - 5 (ft)	0.5 - 3.5 (ft)	1 - 4 (ft)	0.6 - 4.6 (ft)	0.6 - 4.6 (ft)	0.5 - 3.5 (ft)
Sample Elevation (ft BCB)			20.9 to 14.4	20.8 to 20.1	19.6 to 15.8	20.7 to 12	20.7 to 16	18 to 14.6	19 to 16.6	21.2 to 15.8	20 to 16	20.8 to 17.8	20 to 17	20.4 to 16.4	20.4 to 16.4	17.5 to 14.5
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	-	-	-	120	100	110	94	110	-	-	-	130
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	-	-	-	130	130	120	110	130	-	-	-	170
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	-	-	-	140	95	160	77	120	-	-	-	89
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	-	-	-	ND (30)	ND (33)	ND (33)	ND (33)	ND (22)	-	-	-	ND (33)
Inorganic Compounds (mg/kg)																
Antimony	20	NA	-	-	-	-	-	2.4	2.7	1.5	3	4.6	-	-	-	1.9
Arsenic	20	NA	-	-	-	3.7	-	6	7.7	ND (3.2)	3.9	ND (3.4)	-	-	-	7.9
Barium	1000	NA	-	-	-	65	-	76	110	41	56	44	-	-	-	72
Beryllium	90	NA	-	-	-	-	-	ND (0.31)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.34)	-	-	-	ND (0.35)
Cadmium	70	NA	-	-	-	ND (0.27)	-	1.1	1.8	0.98	1.1	0.72	-	-	-	1.5
Chromium	100	NA	-	-	-	29	-	23	36	19	20	9.2	-	-	-	31
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	ND (1)
Lead	200	NA	-	-	-	96	-	180	180	67	130	110	-	-	-	110
Mercury	20	NA	-	-	-	0.35	-	0.38	0.66	0.29	0.34	2.3	-	-	-	0.58
Nickel	600	NA	-	-	-	-	-	16	24	15	16	7.6	-	-	-	22
Selenium	400	NA	-	-	-	ND (5.5)	-	ND (5.2)	ND (5.6)	ND (5.4)	5.8	ND (5.6)	-	-	-	ND (5.9)
Silver	100	NA	-	-	-	ND (0.55)	-	ND (1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-	-	-	ND (1.2)
Thallium	8	NA	-	-	-	-	-	ND (5.2)	ND (5.6)	ND (5.4)	ND (5.6)	ND (5.6)	-	-	-	ND (5.9)
Vanadium	400	NA	-	-	-	-	-	34	57	22	37	17	-	-	-	50
Zinc	1000	NA	-	-	-	-	-	120	170	71	85	110	-	-	-	110
TCLP Inorganic Compounds (mg/L)																
Lead, Total	NA	5	-	-	-	-	-	ND (0.3)	ND (0.3)	-	ND (0.3)	0.4	-	-	-	0.4
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.045)	ND (0.046)	ND (0.046)	-	ND (0.11)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.23)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.045)	ND (0.23)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.045)	ND (0.046)	ND (0.046)	-	ND (0.11)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.23)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.045)	ND (0.23)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.045)	ND (0.046)	ND (0.046)	-	ND (0.11)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.23)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.045)	ND (0.23)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.045)	ND (0.046)	ND (0.046)	-	ND (0.11)	**1.7**	ND (0.04)	0.41	**2.2**	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.045)	ND (0.23)
Aroclor-1248 (PCB-1248)	1	NA	**1.3**	ND (0.046)	**1.2**	-	0.22	ND (0.04)	0.29	ND (0.044)	ND (0.23)	ND (0.045)	0.6	ND (0.043)	ND (0.045)	**2.3**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.045)	0.39	ND (0.046)	-	0.26	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.23)	0.44	ND (0.043)	**1.5**	**1.9**	ND (0.23)
Aroclor-1260 (PCB-1260)	1	NA	0.22	0.22	0.21	-	0.22	0.37	0.07	0.07	0.42	0.17	0.3	ND (0.043)	ND (0.045)	0.49
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.045)	ND (0.046)	ND (0.046)	-	ND (0.11)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.23)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.045)	ND (0.23)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.045)	ND (0.046)	ND (0.046)	-	ND (0.11)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.23)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.045)	ND (0.23)
SUM of PCBs	1	NA	**1.52**	0.61	**1.41**	-	0.7	**2.07**	0.36	0.48	**2.62**	0.61	0.9	**1.5**	**1.9**	**2.79**
Other																
Percent Solids, vol. (%wt)	NA	NA	-	-	-	89.7	89.2	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	-	-	-	165 >	165 >	165 >	165 >	165 >	-	-	-	165 >
Ignitability (PA)	NA	NA	-	-	-	NI	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	-	ND (3.9)	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	-	ND (20)	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	-	53	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	-	-	-	10	-	8.5	8.1	7	7.4	7.2	-	-	-	7.8

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		H8	H9	I12		I13		I14	I15	I16	I17	I18	I7		I8	J1
Location Name			H8	H9	I12	I12	I13	I13	I14	I15	I16	I17	I18	I7	I7	I8	J11
Sample Name			H8_S1_0.5-3.5	H9_S1_0.5-4.5	I12_S1_0.5-5.5	X12_S1_0.5-5.5	I13_S1_0.9-2.9	I13_S2_2.9-4.5	I14_S1_0.5-4.8	I15_S1_0.6-4.8	I16_S1_0.9-4.4	I17_S1_0.3-4.3	I18_S1_0.5-5	I7_S1_0-6	I7_S3_0-2	I8_S1_0.5-6.0	J11_S1_0.5-4.0
Sample Date			06/07/2010	06/08/2010	01/13/2011	01/13/2011	01/06/2011	01/06/2011	06/23/2010	06/23/2010	06/23/2010	07/21/2010	12/17/2010	01/26/2015	01/26/2015	12/20/2010	01/13/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria															
Lab Sample ID			133708-51 133708-62 133708-70	133736-51 133736-63 133736-73	139155-9 139155-9RA1	139155-10 139155-10RA1	139017-11	139017-12 139017-12RA1	134231-1 134231-1RA1 134231-38 134231-45	134231-13 134231-40 134231-47	134231-27 134231-43 134231-50 134366-1	134943-26 134943-33 134943-38 135123-1	138690-34 138690-55 138690-67 138879-1	15A0842-01	15A0842-03	138726-1	139155-1
Sample Depth (bgs)			0.5 - 3.5 (ft)	0.5 - 4.5 (ft)	0.5 - 5.5 (ft)	0.5 - 5.5 (ft)	0.9 - 2.9 (ft)	2.9 - 4.5 (ft)	0.5 - 4.8 (ft)	0.6 - 4.8 (ft)	0.9 - 4.4 (ft)	0.3 - 4.3 (ft)	0.5 - 5 (ft)	0 - 6 (ft)	0 - 2 (ft)	0.5 - 6 (ft)	0.5 - 4 (ft)
Sample Elevation (ft BCB)			18.2 to 15.2	20.4 to 16.4	20 to 15	20 to 15	20 to 18	18 to 16.4	20.5 to 16.2	20.1 to 15.9	19.5 to 16	20 to 16	19.5 to 15	18 to 12	18 to 16	18 to 12.5	20 to 16.5
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																	
1,2,4-Trimethylbenzene	1000	NA	ND (0.008)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.27)	ND (0.0017)	-	-	-
1,4-Dichlorobenzene	0.7	NA	ND (0.008)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.27)	ND (0.0017)	-	-	-
Acetone	6	NA	ND (0.31)	ND (0.21)	-	-	-	-	ND (0.2)	ND (0.21)	ND (0.21)	ND (0.2)	ND (2.7)	ND (0.083)	-	-	-
Chlorobenzene	1	NA	ND (0.008)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.27)	ND (0.0017)	-	-	-
Methyl Tert Butyl Ether	0.1	NA	ND (0.008)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**ND (0.27)**	ND (0.0033)	-	-	-
Naphthalene	4	NA	ND (0.008)	ND (0.005)	-	-	-	-	0.006	ND (0.005)	ND (0.005)	ND (0.005)	0.64	ND (0.0083)	-	-	-
Tetrachloroethene	1	NA	ND (0.008)	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.27)	ND (0.0017)	-	-	-
SUM of Volatile Organic Compounds	NA	NA	ND	ND	-	-	-	-	0.006	ND	ND	ND	0.64	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
1,4-Dichlorobenzene	0.7	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.42)	-	-	-
2-Methylnaphthalene	0.7	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.21)	-	-	-
3&4-Methylphenol	NA	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.42)	-	-	-
Acenaphthene	4	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.21)	-	-	-
Acenaphthylene	1	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.21)	-	-	-
Aniline	NA	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.42)	-	-	-
Anthracene	1000	NA	ND (0.39)	0.4	-	-	-	-	ND (0.33)	ND (0.36)	0.48	0.54	ND (0.36)	ND (0.21)	-	-	-
Benzo(a)anthracene	7	NA	0.46	0.97	-	-	-	-	0.73	ND (0.36)	1.1	1.3	0.8	0.22	-	-	-
Benzo(a)pyrene	2	NA	0.39	0.8	-	-	-	-	0.68	ND (0.36)	1	1.1	0.77	ND (0.21)	-	-	-
Benzo(b)fluoranthene	7	NA	0.51	1	-	-	-	-	0.95	ND (0.36)	1.5	1.4	1.1	0.28	-	-	-
Benzo(g,h,i)perylene	1000	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	0.44	ND (0.36)	ND (0.21)	-	-	-
Benzo(k)fluoranthene	70	NA	ND (0.39)	0.36	-	-	-	-	0.36	ND (0.36)	0.63	0.52	0.39	ND (0.21)	-	-	-
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	0.4	2	ND (0.36)	ND (0.42)	-	-	-
Butyl benzylphthalate	100	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.42)	-	-	-
Carbazole	NA	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	-	-	-	-
Chrysene	70	NA	0.48	1	-	-	-	-	0.75	ND (0.36)	1.1	1.2	0.84	0.23	-	-	-
Dibenz(a,h)anthracene	0.7	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.21)	-	-	-
Dibenzofuran	100	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.42)	-	-	-
Fluoranthene	1000	NA	0.92	1.8	-	-	-	-	1.4	0.54	2.3	2.5	1.7	0.45	-	-	-
Fluorene	1000	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.21)	-	-	-
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	0.52	ND (0.36)	ND (0.21)	-	-	-
Isophorone	100	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.42)	-	-	-
Naphthalene	4	NA	ND (0.39)	ND (0.36)	-	-	-	-	0.33	ND (0.36)	0.46	ND (0.34)	ND (0.36)	ND (0.21)	-	-	-
N-Nitrosodiphenylamine	100	NA	ND (0.39)	ND (0.36)	-	-	-	-	ND (0.33)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	-	-	-	-
Phenanthrene	10	NA	0.59	1.2	-	-	-	-	0.98	ND (0.36)	1.8	2.1	1.2	0.32	-	-	-
Pyrene	1000	NA	0.93	1.6	-	-	-	-	1.3	0.49	2.1	2.2	1.4	0.45	-	-	-
SUM of Semi-Volatile Organic Compounds	NA	NA	4.28	9.13	-	-	-	-	7.48	1.03	12.87	15.82	8.2	1.95	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-
VPH (mg/kg)																	
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.4)	ND (1.1)	-	-	-	-	ND (1)	3	ND (1.3)	1.5	ND (1.2)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	ND (1.1)	-	-	-	-	ND (1)	3	ND (1.3)	1.6	ND (1.2)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.4)	ND (1.1)	-	-	-	-	ND (1)	ND (1.4)	ND (1.3)	ND (1.3)	ND (1.2)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.4)	ND (1.1)	-	-	-	-	ND (1)	ND (1.4)	ND (1.3)	ND (1.3)	ND (1.2)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	ND (1.1)	-	-	-	-	ND (1)	ND (1.4)	1.6	2.6	1.4	-	-	-	-

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		H8	H9	I12		I13		I14	I15	I16	I17	I18	I7		I8	J1
Location Name			H8	H9	I12	I12	I13	I13	I14	I15	I16	I17	I18	I7	I7	I8	J11
Sample Name			H8_S1_0.5-3.5	H9_S1_0.5-4.5	I12_S1_0.5-5.5	X12_S1_0.5-5.5	I13_S1_0.9-2.9	I13_S2_2.9-4.5	I14_S1_0.5-4.8	I15_S1_0.6-4.8	I16_S1_0.9-4.4	I17_S1_0.3-4.3	I18_S1_0.5-5	I7_S1_0-6	I7_S3_0-2	I8_S1_0.5-6.0	J11_S1_0.5-4.0
Sample Date			06/07/2010	06/08/2010	01/13/2011	01/13/2011	01/06/2011	01/06/2011	06/23/2010	06/23/2010	06/23/2010	07/21/2010	12/17/2010	01/26/2015	01/26/2015	12/20/2010	01/13/2011
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria															
Lab Sample ID			133708-51 133708-62 133708-70	133736-51 133736-63 133736-73	139155-9 139155-9RA1	139155-10 139155-10RA1	139017-11	139017-12 139017-12RA1	134231-1 134231-1RA1 134231-38 134231-45	134231-13 134231-40 134231-47	134231-27 134231-43 134231-50 134366-1	134943-26 134943-33 134943-38 135123-1	138690-34 138690-55 138690-67 138879-1	15A0842-01	15A0842-03	138726-1	139155-1
Sample Depth (bgs)			0.5 - 3.5 (ft)	0.5 - 4.5 (ft)	0.5 - 5.5 (ft)	0.5 - 5.5 (ft)	0.9 - 2.9 (ft)	2.9 - 4.5 (ft)	0.5 - 4.8 (ft)	0.6 - 4.8 (ft)	0.9 - 4.4 (ft)	0.3 - 4.3 (ft)	0.5 - 5 (ft)	0 - 6 (ft)	0 - 2 (ft)	0.5 - 6 (ft)	0.5 - 4 (ft)
Sample Elevation (ft BCB)			18.2 to 15.2	20.4 to 16.4	20 to 15	20 to 15	20 to 18	18 to 16.4	20.5 to 16.2	20.1 to 15.9	19.5 to 16	20 to 16	19.5 to 15	18 to 12	18 to 16	18 to 12.5	20 to 16.5
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																	
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	86	150	-	-	-	-	88	120	100	230	120	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	93	180	-	-	-	-	110	130	120	260	160	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	110	130	-	-	-	-	90	130	150	320	71	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (35)	ND (33)	-	-	-	-	ND (31)	ND (33)	ND (34)	43	ND (22)	-	-	-	-
Inorganic Compounds (mg/kg)																	
Antimony	20	NA	1.8	1.9	-	-	-	-	1.2	1.3	2.2	ND (1.1)	2.5	-	-	-	-
Arsenic	20	NA	ND (3.6)	3.5	-	-	-	-	ND (3.2)	ND (3.4)	ND (3.5)	ND (3.2)	ND (3.5)	7.9	-	-	-
Barium	1000	NA	55	42	-	-	-	-	48	26	84	59	57	76	-	-	-
Beryllium	90	NA	ND (0.36)	ND (0.34)	-	-	-	-	ND (0.32)	ND (0.34)	ND (0.35)	ND (0.32)	ND (0.35)	-	-	-	-
Cadmium	70	NA	0.94	0.85	-	-	-	-	0.96	0.88	1.5	1.8	1	0.91	-	-	-
Chromium	100	NA	21	18	-	-	-	-	19	16	26	18	14	34	-	-	-
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	52	55	-	-	-	-	69	26	130	130	**310**	49	-	-	-
Mercury	20	NA	0.15	0.21	-	-	-	-	0.27	0.057	0.53	0.44	0.16	0.26	-	-	-
Nickel	600	NA	14	12	-	-	-	-	13	11	19	11	11	-	-	-	-
Selenium	400	NA	ND (5.9)	ND (5.7)	-	-	-	-	ND (5.3)	ND (5.7)	ND (5.8)	ND (5.4)	ND (5.9)	ND (6.3)	-	-	-
Silver	100	NA	ND (1.2)	ND (1.1)	-	-	-	-	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (0.63)	-	-	-
Thallium	8	NA	ND (5.9)	ND (5.7)	-	-	-	-	ND (5.3)	ND (5.7)	ND (5.8)	7.9	ND (5.9)	-	-	-	-
Vanadium	400	NA	32	22	-	-	-	-	21	29	31	24	26	-	-	-	-
Zinc	1000	NA	75	63	-	-	-	-	81	51	140	100	49	-	-	-	-
TCLP Inorganic Compounds (mg/L)																	
Lead, Total	NA	5	-	-	-	-	-	-	-	-	ND (0.3)	1.7	0.3	-	-	-	-
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	-	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	ND (0.049)	ND (0.046)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	-	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	ND (0.049)	ND (0.046)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	-	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	ND (0.049)	ND (0.046)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.04)	-	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	ND (0.049)	ND (0.046)
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	-	0.82	ND (0.045)	0.51	0.6	0.92	ND (0.044)	0.97	**5.1**	ND (0.045)	-	ND (0.12)	ND (0.049)	0.51
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	-	ND (0.044)	0.97	ND (0.044)	ND (0.043)	ND (0.043)	0.25	ND (0.45)	ND (0.86)	0.11	-	ND (0.12)	0.081	ND (0.046)
Aroclor-1260 (PCB-1260)	1	NA	ND (0.04)	-	0.38	0.39	0.17	0.16	0.18	0.18	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	0.053	0.26
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	-	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	ND (0.049)	ND (0.046)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	-	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)	ND (0.45)	ND (0.86)	ND (0.045)	-	ND (0.12)	ND (0.049)	ND (0.046)
SUM of PCBs	1	NA	ND	-	**1.2**	**1.36**	0.68	0.76	**1.1**	0.43	0.97	**5.1**	0.11	-	ND	0.134	0.77
Other																	
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	81.6	85.3	-	-
Ignitability (Deg F)	NA	NA	165 >	165 >	-	-	-	-	165 >	165 >	165 >	165 >	165 >	-	-	-	-
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (3.8)	-	-	-
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (19)	-	-	-
Oxidation reduction potential (mv)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-
pH Corrosivity (pH units)	NA	NA	8.4	8	-	-	-	-	8.5	8.4	8.2	7.1	6.8	8.3	-	-	-

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		I1	J12	J14	J15	J16	J17	J18	J8	K11	K12	K14	K15	K16
Location Name			J11	J12	J14	J15	J16	J17	J18	J8	K11	K12	K14	K15	K16
Sample Name			Z11_S1_0.5-4.0	J12_S1_0.5-4.2	J14_S1_0.4-4.6	J15_S1_0.5-4.5	J16_S1_0.6-3.0	J17_S1_0.9-3.8	J18_S1_1-4	J8_S1_0-8	K11_S1_0.5-3.4	K12_S1_0.5-4	K14_S1_2-3	K15_S1_0.5-3.0	K16_S1_0.5-2.8
Sample Date			01/13/2011	12/22/2010	06/24/2010	06/23/2010	06/24/2010	07/21/2010	07/09/2010	01/26/2015	12/21/2010	01/04/2011	06/24/2010	06/24/2010	06/24/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria												134271-55 134271-55RA1 134271-69 134271-80 134440-2 134440-9	134271-54 134271-54RA1 134271-66 134271-77 134440-1
					134271-58 134271-73 134271-84	134231-24 134231-42 134231-49	134271-53 134271-53RA1 134271-64 134271-75	134943-25 134943-31 134943-36	134640-32 134640-32RA1 134640-39 134640-44	15A0844-01 15A0844-01RE1 15B0011-01	138733-6	138940-19 138940-19RA1	134271-57 134271-71 134271-82		
Lab Sample ID			139155-8	138765-10 138765-10RA1											
Sample Depth (bgs)			0.5 - 4 (ft)	0.5 - 4.2 (ft)	0.4 - 4.6 (ft)	0.5 - 4.5 (ft)	0.6 - 3 (ft)	0.9 - 3.8 (ft)	1 - 4 (ft)	0 - 8 (ft)	0.5 - 3.4 (ft)	0.5 - 4 (ft)	2 - 3 (ft)	0.5 - 3 (ft)	0.5 - 2.8 (ft)
Sample Elevation (ft BCB)			20 to 16.5	20 to 16.3	20.2 to 16	20 to 16	19.6 to 17.2	19.1 to 16.2	19 to 16	20 to 12	19.8 to 16.9	19.6 to 16.1	18.2 to 17.2	19.5 to 17	19.5 to 17.2
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)															
1,2,4-Trimethylbenzene	1000	NA	-	-	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.37)	ND (0.0013)	-	-	ND (0.005)	ND (0.009)	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.37)	ND (0.0013)	-	-	ND (0.005)	ND (0.009)	ND (0.005)
Acetone	6	NA	-	-	ND (0.2)	ND (0.25)	ND (0.2)	ND (0.2)	ND (3.7)	ND (0.064)	-	-	ND (0.21)	ND (0.36)	ND (0.2)
Chlorobenzene	1	NA	-	-	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.37)	ND (0.0013)	-	-	ND (0.005)	ND (0.009)	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	-	-	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	**ND (0.37)**	ND (0.0026)	-	-	ND (0.005)	ND (0.009)	ND (0.005)
Naphthalene	4	NA	-	-	ND (0.005)	ND (0.006)	0.01	ND (0.005)	**6.7**	ND (0.0064)	-	-	ND (0.005)	ND (0.009)	ND (0.005)
Tetrachloroethene	1	NA	-	-	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.37)	ND (0.0013)	-	-	ND (0.005)	ND (0.009)	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	-	-	ND	ND	0.01	ND	6.7	ND	-	-	ND	ND	ND
Semi-Volatile Organic Compounds (mg/kg)															
1,4-Dichlorobenzene	0.7	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	ND (0.38)	-	-	**ND (0.72)**	ND (0.35)	ND (0.36)
2-Methylnaphthalene	0.7	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	**1.2**	0.63	-	-	**ND (0.72)**	ND (0.35)	ND (0.36)
3&4-Methylphenol	NA	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	ND (0.38)	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Acenaphthene	4	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	1.2	2.7	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Acenaphthylene	1	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	ND (0.19)	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Aniline	NA	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	ND (0.38)	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Anthracene	1000	NA	-	-	ND (0.35)	0.39	ND (0.39)	0.36	1.2	5.2	-	-	ND (0.72)	ND (0.35)	0.39
Benzo(a)anthracene	7	NA	-	-	0.63	0.93	0.7	0.86	1.6	**7.7**	-	-	ND (0.72)	0.35	0.9
Benzo(a)pyrene	2	NA	-	-	0.56	0.81	0.65	0.78	1.4	**7.4**	-	-	ND (0.72)	ND (0.35)	0.84
Benzo(b)fluoranthene	7	NA	-	-	0.85	1.2	0.88	0.98	1.9	**7.3**	-	-	ND (0.72)	0.44	1.1
Benzo(g,h,i)perylene	1000	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	0.56	ND (0.35)	4.1	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Benzo(k)fluoranthene	70	NA	-	-	ND (0.35)	0.47	ND (0.39)	ND (0.36)	0.74	3	-	-	ND (0.72)	ND (0.35)	0.44
bis(2-Ethylhexyl)phthalate	90	NA	-	-	0.47	ND (0.35)	0.54	ND (0.36)	14	ND (0.38)	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Butyl benzylphthalate	100	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	ND (0.38)	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Carbazole	NA	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	0.7	-	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Chrysene	70	NA	-	-	0.65	0.97	0.69	0.8	1.7	7.2	-	-	ND (0.72)	0.37	0.92
Dibenz(a,h)anthracene	0.7	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	**1.1**	-	-	**ND (0.72)**	ND (0.35)	ND (0.36)
Dibenzofuran	100	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	1	1.7	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Fluoranthene	1000	NA	-	-	1.4	2.1	1.5	1.7	4	19	-	-	1	0.81	1.9
Fluorene	1000	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	1.1	2.4	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Indeno(1,2,3-cd)pyrene	7	NA	-	-	ND (0.35)	ND (0.35)	0.4	0.53	0.39	5	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Isophorone	100	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	ND (0.38)	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Naphthalene	4	NA	-	-	ND (0.35)	0.38	ND (0.39)	ND (0.36)	2	1.3	-	-	ND (0.72)	ND (0.35)	ND (0.36)
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.35)	-	-	-	ND (0.72)	ND (0.35)	ND (0.36)
Phenanthrene	10	NA	-	-	1.2	1.8	0.96	1.4	5	**17**	-	-	0.83	0.56	1.5
Pyrene	1000	NA	-	-	1.2	1.9	1.3	1.6	3.7	16	-	-	0.98	0.68	1.7
SUM of Semi-Volatile Organic Compounds	NA	NA	-	-	6.96	10.95	7.62	9.57	42.83	108.73	-	-	2.81	3.21	9.69
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	420	-	-	-	-	-
VPH (mg/kg)															
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	-	-	-	ND (1.3)	ND (2)	ND (1.2)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	-	-	-	ND (1.3)	ND (2)	ND (1.2)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	1.7	-	-	-	ND (1.3)	ND (2)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	-	-	-	ND (1.3)	ND (2)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.1)	1.4	ND (1.2)	ND (1.1)	2.2	-	-	-	ND (1.3)	ND (2)	ND (1.2)

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		11	J12	J14	J15	J16	J17	J18	J8	K11	K12	K14	K15	K16
Location Name			J11	J12	J14	J15	J16	J17	J18	J8	K11	K12	K14	K15	K16
Sample Name			Z11_S1_0.5-4.0	J12_S1_0.5-4.2	J14_S1_0.4-4.6	J15_S1_0.5-4.5	J16_S1_0.6-3.0	J17_S1_0.9-3.8	J18_S1_1-4	J8_S1_0-8	K11_S1_0.5-3.4	K12_S1_0.5-4	K14_S1_2-3	K15_S1_0.5-3.0	K16_S1_0.5-2.8
Sample Date			01/13/2011	12/22/2010	06/24/2010	06/23/2010	06/24/2010	07/21/2010	07/09/2010	01/26/2015	12/21/2010	01/04/2011	06/24/2010	06/24/2010	06/24/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria												134271-55 134271-55RA1 134271-69 134271-80 134440-2 134440-9	134271-54 134271-54RA1 134271-66 134271-77 134440-1
					134271-58 134271-73 134271-84	134231-24 134231-42 134231-49	134271-53 134271-53RA1 134271-64 134271-75	134943-25 134943-31 134943-36	134640-32 134640-32RA1 134640-39 134640-44	15A0844-01 15A0844-01RE1 15B0011-01	138733-6	138940-19 138940-19RA1	134271-57 134271-71 134271-82		
Lab Sample ID			139155-8	138765-10 138765-10RA1											
Sample Depth (bgs)			0.5 - 4 (ft)	0.5 - 4.2 (ft)	0.4 - 4.6 (ft)	0.5 - 4.5 (ft)	0.6 - 3 (ft)	0.9 - 3.8 (ft)	1 - 4 (ft)	0 - 8 (ft)	0.5 - 3.4 (ft)	0.5 - 4 (ft)	2 - 3 (ft)	0.5 - 3 (ft)	0.5 - 2.8 (ft)
Sample Elevation (ft BCB)			20 to 16.5	20 to 16.3	20.2 to 16	20 to 16	19.6 to 17.2	19.1 to 16.2	19 to 16	20 to 12	19.8 to 16.9	19.6 to 16.1	18.2 to 17.2	19.5 to 17	19.5 to 17.2
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)															
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	100	200	75	140	150	-	-	-	660	72	95
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	110	210	84	170	170	-	-	-	670	86	120
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	150	250	81	130	110	-	-	-	590	87	96
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	ND (32)	ND (32)	ND (35)	ND (32)	ND (32)	-	-	-	ND (32)	ND (32)	ND (32)
Inorganic Compounds (mg/kg)															
Antimony	20	NA	-	-	ND (1.1)	ND (1)	1.3	ND (1.1)	2.1	-	-	-	ND (1.1)	ND (1.1)	1.6
Arsenic	20	NA	-	-	ND (3.3)	ND (3.1)	ND (3.6)	3.4	ND (3.3)	6.1	-	-	ND (3.2)	ND (3.4)	4.3
Barium	1000	NA	-	-	26	41	51	57	26	62	-	-	33	93	64
Beryllium	90	NA	-	-	ND (0.33)	ND (0.31)	ND (0.36)	ND (0.33)	ND (0.33)	-	-	-	ND (0.32)	ND (0.34)	ND (0.34)
Cadmium	70	NA	-	-	0.75	1	1.3	1.2	ND (0.55)	0.86	-	-	1	18	1.4
Chromium	100	NA	-	-	13	14	23	20	13	23	-	-	20	54	23
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	200	NA	-	-	37	58	71	92	51	110	-	-	46	**1400**	110
Mercury	20	NA	-	-	0.33	0.22	0.5	0.36	0.14	0.56	-	-	0.087	0.55	0.48
Nickel	600	NA	-	-	6.7	10	16	12	7.2	-	-	-	13	46	17
Selenium	400	NA	-	-	ND (5.6)	ND (5.2)	ND (6.1)	ND (5.6)	ND (5.5)	ND (5.2)	-	-	ND (5.3)	ND (19)	ND (5.6)
Silver	100	NA	-	-	ND (1.1)	ND (1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (0.52)	-	-	ND (1.1)	ND (1.1)	ND (1.1)
Thallium	8	NA	-	-	ND (5.6)	ND (5.2)	ND (6.1)	ND (5.6)	ND (5.5)	-	-	-	ND (5.3)	ND (5.7)	ND (5.6)
Vanadium	400	NA	-	-	16	19	32	25	11	-	-	-	39	25	32
Zinc	1000	NA	-	-	49	86	94	130	41	-	-	-	71	**5000**	120
TCLP Inorganic Compounds (mg/L)															
Lead, Total	NA	5	-	-	-	-	-	-	-	0.085	-	-	-	0.8	1.4
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1016 (PCB-1016)	1	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	ND (0.044)	-	ND (0.043)	ND (0.045)	ND (0.43)	ND (0.043)	ND (0.044)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	ND (0.044)	-	ND (0.043)	ND (0.045)	ND (0.43)	ND (0.043)	ND (0.044)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	ND (0.044)	-	ND (0.043)	ND (0.045)	ND (0.43)	ND (0.043)	ND (0.044)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	ND (0.044)	-	ND (0.043)	ND (0.045)	ND (0.43)	ND (0.043)	ND (0.044)
Aroclor-1248 (PCB-1248)	1	NA	0.24	0.88	0.29	0.35	0.81	0.76	ND (0.044)	-	0.39	**2.9**	ND (0.43)	0.9	1 p
Aroclor-1254 (PCB-1254)	1	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	0.071	-	ND (0.043)	ND (0.045)	**3.9**	ND (0.043)	ND (0.044)
Aroclor-1260 (PCB-1260)	1	NA	0.14	0.33	0.1	0.088	0.36	ND (0.44)	ND (0.044)	-	0.15	0.45	**1.2**	0.26	0.2
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	ND (0.044)	-	ND (0.043)	ND (0.045)	ND (0.43)	ND (0.043)	ND (0.044)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.043)	ND (0.046)	ND (0.44)	ND (0.044)	-	ND (0.043)	ND (0.045)	ND (0.43)	ND (0.043)	ND (0.044)
SUM of PCBs	1	NA	0.38	**1.21**	0.39	0.438	**1.17**	0.76	0.071	-	0.54	**3.35**	**5.1**	**1.16**	**1.2**
Other															
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	89.1	-	-	-	-	-
Ignitability (Deg F)	NA	NA	-	-	165 >	165 >	165 >	165 >	165 >	-	-	-	165 >	165 >	165 >
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	NI	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (3.9)	-	-	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (20)	-	-	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	-	-	-	-	-	91	-	-	-	670	-
pH Corrosivity (pH units)	NA	NA	-	-	7.3	8.3	7.1	7.2	7.2	8.6	-	-	7.1	7.2	7.1

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		K17		K18	K6	K7	L10		L12	L13	L14	L15	L16	L17	L18	L6
Location Name			K17	K17A	K18	K6	K7	L10	L10	L12	L13	L14	L15	L16	L17	L18	L6
Sample Name			K17_S1_0.9-3.7	K17a_S1_1-2.8	K18_S1_1-4.3	K6_S1_1-5	K7_S1_0.4-7.2	L10_S1_0-8	L10_S2_2-4	L12_S1_0-4.5	L13_S1_0.5-3.5	L14_S1_0.5-3.5	L15_S1_0.5-1.9	L16_S1_0.7-2.0	L17_S1_0.6-2.3	L18_S1_1-3.5	L6_S1_0.7-5.2
Sample Date			07/09/2010	12/30/2010	06/18/2010	06/30/2010	06/28/2010	01/23/2015	01/23/2015	06/01/2010	07/09/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	06/17/2010	07/01/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria															
Lab Sample ID			134640-31 134640-31RA1 134640-37 134640-42	138884-39 138884-49 138884-60	134117-45 134117-56 134117-65 134331-2 134331-6	134417-20 134417-25 134417-30	134316-36 134316-44 134316-51 134476-2	15A0795-01 15A0976-01	15A0795-02	133615-38 133615-45 133615-52 133764-3	134640-30 134640-30RA1 134640-35 134640-40	134292-22 134292-52 134292-60 134569-3	134292-1 134292-48 134292-56	134292-34 134292-54 134292-62 134569-5	134611-1 134611-48 134611-55 134787-1	134053-53 134053-64 134053-73	134447-22 134447-35 134447-41
Sample Depth (bgs)			0.9 - 3.7 (ft)	1 - 2.8 (ft)	1 - 4.3 (ft)	1 - 5 (ft)	0.4 - 7.2 (ft)	0 - 8 (ft)	2 - 4 (ft)	0 - 4.5 (ft)	0.5 - 3.5 (ft)	0.5 - 3.5 (ft)	0.5 - 1.9 (ft)	0.7 - 2 (ft)	0.6 - 2.3 (ft)	1 - 3.5 (ft)	0.7 - 5.2 (ft)
Sample Elevation (ft BCB)			19.1 to 16.3	19 to 17.2	18.6 to 15.3	18 to 14	19 to 12.2	20 to 12	18 to 16	19.8 to 15.3	19.6 to 16.6	19.5 to 16.5	19.5 to 18.1	19.1 to 17.8	19.1 to 17.4	18.5 to 16	19 to 14.5
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																	
1,2,4-Trimethylbenzene	1000	NA	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	0.0015	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.007)	ND (0.005)	ND (0.32)	ND (0.006)	ND (0.005)
1,4-Dichlorobenzene	0.7	NA	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	ND (0.0012)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.007)	ND (0.005)	ND (0.32)	ND (0.006)	ND (0.005)
Acetone	6	NA	ND (0.22)	ND (0.2)	ND (0.3)	ND (0.26)	ND (0.2)	ND (0.061)	-	ND (0.2)	ND (0.2)	ND (0.24)	ND (0.29)	ND (0.2)	ND (3.2)	ND (0.24)	ND (0.2)
Chlorobenzene	1	NA	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	ND (0.0012)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.007)	ND (0.005)	ND (0.32)	ND (0.006)	ND (0.005)
Methyl Tert Butyl Ether	0.1	NA	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	ND (0.0024)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.007)	ND (0.005)	**ND (0.32)**	ND (0.006)	ND (0.005)
Naphthalene	4	NA	0.006	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	ND (0.0061)	-	0.011	ND (0.005)	ND (0.006)	ND (0.007)	ND (0.005)	0.33	ND (0.006)	0.075
Tetrachloroethene	1	NA	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.007)	ND (0.005)	ND (0.0012)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.007)	ND (0.005)	ND (0.32)	ND (0.006)	ND (0.005)
SUM of Volatile Organic Compounds	NA	NA	0.006	ND	ND	ND	ND	0.0015	-	0.011	ND	ND	ND	ND	0.33	ND	0.075
Semi-Volatile Organic Compounds (mg/kg)																	
1,4-Dichlorobenzene	0.7	NA	ND (0.36)	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.42)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
2-Methylnaphthalene	0.7	NA	**5.7**	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	0.64	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	0.39	ND (0.36)
3&4-Methylphenol	NA	NA	0.42	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.42)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Acenaphthene	4	NA	1.9	ND (0.34)	0.53	ND (0.37)	ND (0.35)	ND (0.21)	-	ND (0.35)	1.2	ND (0.36)	ND (0.36)	0.36	ND (0.37)	0.42	ND (0.36)
Acenaphthylene	1	NA	**4.6**	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.21)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Aniline	NA	NA	ND (0.36)	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.42)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Anthracene	1000	NA	11	0.79	1.5	ND (0.37)	0.49	0.38	-	0.44	3.4	ND (0.36)	0.57	0.62	0.47	1	0.62
Benzo(a)anthracene	7	NA	**11**	1.4	2	0.46	1.3	0.74	-	0.95	5.3	0.56	1.3	1.4	1.3	1.5	1.4
Benzo(a)pyrene	2	NA	**8.6**	1.1	1.8	0.42	1.2	0.57	-	0.85	**4.6**	0.52	1.1	1.3	1.1	1.3	1.3
Benzo(b)fluoranthene	7	NA	**10**	1.5	2.1	0.6	1.7	0.82	-	1.1	5.6	0.68	1.7	2	1.4	1.6	2.1
Benzo(g,h,i)perylene	1000	NA	0.8	ND (0.34)	0.66	ND (0.37)	0.53	ND (0.21)	-	ND (0.35)	0.58	ND (0.36)	ND (0.36)	ND (0.36)	0.73	0.85	ND (0.36)
Benzo(k)fluoranthene	70	NA	3.7	0.51	0.86	ND (0.37)	0.65	0.37	-	0.39	2.2	ND (0.36)	0.68	0.8	0.49	0.6	0.65
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.36)	ND (0.34)	ND (0.37)	ND (0.37)	0.42	ND (0.42)	-	0.67	0.37	ND (0.36)	ND (0.36)	0.62	0.68	ND (0.39)	ND (0.36)
Butyl benzylphthalate	100	NA	ND (0.36)	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.42)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Carbazole	NA	NA	2.5	0.35	ND (0.37)	ND (0.37)	ND (0.35)	-	-	ND (0.35)	1.6	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	0.46	ND (0.36)
Chrysene	70	NA	9.3	1.2	1.9	0.45	1.4	0.91	-	0.94	4.8	0.57	1.2	1.4	1.3	1.5	1.3
Dibenz(a,h)anthracene	0.7	NA	0.45	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.21)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Dibenzofuran	100	NA	7.7	ND (0.34)	0.52	ND (0.37)	ND (0.35)	ND (0.42)	-	ND (0.35)	0.69	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	0.53	ND (0.36)
Fluoranthene	1000	NA	30	2.6	4.5	0.91	2.7	1.5	-	2	14	1.3	2.4	2.8	2.5	3.5	3
Fluorene	1000	NA	10	ND (0.34)	0.64	ND (0.37)	ND (0.35)	ND (0.21)	-	ND (0.35)	1.3	ND (0.36)	ND (0.36)	0.43	ND (0.37)	0.75	ND (0.36)
Indeno(1,2,3-cd)pyrene	7	NA	1.6	0.37	0.79	ND (0.37)	0.59	ND (0.21)	-	0.37	1	ND (0.36)	ND (0.36)	0.4	0.84	1	ND (0.36)
Isophorone	100	NA	ND (0.36)	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	ND (0.42)	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Naphthalene	4	NA	**7.5**	ND (0.34)	0.44	ND (0.37)	ND (0.35)	0.41	-	0.42	0.36	ND (0.36)	ND (0.36)	0.65	ND (0.37)	0.88	0.41
N-Nitrosodiphenylamine	100	NA	ND (0.36)	ND (0.34)	ND (0.37)	ND (0.37)	ND (0.35)	-	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.39)	ND (0.36)
Phenanthrene	10	NA	**44**	2.5	4.6	0.57	2	1.5	-	1.5	**12**	1.2	1.8	2.5	1.6	3.9	2.3
Pyrene	1000	NA	20	2.1	3.9	0.69	2.4	1.4	-	1.6	9.6	1.1	2.2	2.6	2.1	3.1	2
SUM of Semi-Volatile Organic Compounds	NA	NA	190.77	14.42	26.74	4.1	15.38	9.24	-	11.23	68.6	5.93	12.95	17.88	14.51	23.28	15.08
Total Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	930	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																	
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.4)	ND (1)	ND (1.3)	ND (1.2)	1.4	-	-	1.6	ND (1.6)	ND (1.1)	ND (1.5)	ND (1.3)	3.8	ND (1.4)	ND (1.5)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	ND (1)	ND (1.3)	ND (1.2)	1.6	-	-	1.7	ND (1.6)	ND (1.1)	ND (1.5)	ND (1.3)	4.2	ND (1.4)	ND (1.5)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.4)	1.6	1.7	ND (1.2)	ND (1.1)	-	-	ND (1.5)	ND (1.6)	ND (1.1)	ND (1.5)	ND (1.3)	2.8	ND (1.4)	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.4)	1.5	ND (1.3)	ND (1.2)	ND (1.1)	-	-	1.7	ND (1.6)	ND (1.1)	ND (1.5)	ND (1.3)	ND (2.5)	ND (1.4)	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	3.1	ND (1.3)	ND (1.2)	1.3	-	-	3.1	ND (1.6)	ND (1.1)	ND (1.5)	ND (1.3)	4.6	ND (1.4)	ND (1.5)

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		K17		K18	K6	K7	L10		L12	L13	L14	L15	L16	L17	L18	L6
Location Name			K17	K17A	K18	K6	K7	L10	L10	L12	L13	L14	L15	L16	L17	L18	L6
Sample Name			K17_S1_0.9-3.7	K17a_S1_1-2.8	K18_S1_1-4.3	K6_S1_1-5	K7_S1_0.4-7.2	L10_S1_0-8	L10_S2_2-4	L12_S1_0-4.5	L13_S1_0.5-3.5	L14_S1_0.5-3.5	L15_S1_0.5-1.9	L16_S1_0.7-2.0	L17_S1_0.6-2.3	L18_S1_1-3.5	L6_S1_0.7-5.2
Sample Date			07/09/2010	12/30/2010	06/18/2010	06/30/2010	06/28/2010	01/23/2015	01/23/2015	06/01/2010	07/09/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	06/17/2010	07/01/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria															
			134640-31		134117-45												
					134117-56		134316-36			133615-38	134640-30	134292-22		134292-34	134611-1		
			134640-31RA1	138884-39	134117-65	134417-20	134316-44			133615-45	134640-30RA1	134292-52	134292-1	134292-54	134611-48	134053-53	134447-22
			134640-37	138884-49	134331-2	134417-25	134316-51	15A0795-01		133615-52	134640-35	134292-60	134292-48	134292-62	134611-55	134053-64	134447-35
Lab Sample ID			134640-42	138884-60	134331-6	134417-30	134476-2	15A0976-01	15A0795-02	133764-3	134640-40	134569-3	134292-56	134569-5	134787-1	134053-73	134447-41
Sample Depth (bgs)			0.9 - 3.7 (ft)	1 - 2.8 (ft)	1 - 4.3 (ft)	1 - 5 (ft)	0.4 - 7.2 (ft)	0 - 8 (ft)	2 - 4 (ft)	0 - 4.5 (ft)	0.5 - 3.5 (ft)	0.5 - 3.5 (ft)	0.5 - 1.9 (ft)	0.7 - 2 (ft)	0.6 - 2.3 (ft)	1 - 3.5 (ft)	0.7 - 5.2 (ft)
Sample Elevation (ft BCB)			19.1 to 16.3	19 to 17.2	18.6 to 15.3	18 to 14	19 to 12.2	20 to 12	18 to 16	19.8 to 15.3	19.6 to 16.6	19.5 to 16.5	19.5 to 18.1	19.1 to 17.8	19.1 to 17.4	18.5 to 16	19 to 14.5
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																	
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	110	69	130	140	120	-	-	150	190	95	110	100	99	170	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	130	83	160	150	140	-	-	160	200	100	120	120	110	210	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	120	58	120	170	120	-	-	190	190	93	130	150	120	110	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (33)	ND (21)	ND (34)	ND (34)	ND (32)	-	-	ND (33)	ND (33)	ND (33)	ND (33)	ND (32)	ND (33)	ND (34)	-
Inorganic Compounds (mg/kg)																	
Antimony	20	NA	3	3.7	3	1.5	2.2	-	-	5.9	2.5	ND (1.1)	1.7	1.5	3.6	ND (1.2)	1.6
Arsenic	20	NA	ND (3.5)	ND (3.3)	ND (3.4)	ND (3.4)	ND (3.2)	**39**	-	ND (3.4)	ND (3.3)	3.8	3.9	4.1	ND (3.3)	ND (3.6)	ND (3.3)
Barium	1000	NA	56	60	50	30	49	110	-	86	44	63	58	80	61	46	50
Beryllium	90	NA	ND (0.35)	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.32)	-	-	ND (0.34)	ND (0.33)	ND (0.32)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.36)	ND (0.33)
Cadmium	70	NA	ND (0.58)	2.3	1.3	0.93	1.2	1.9	-	1.6	ND (0.55)	1.3	1.3	1.8	ND (0.56)	1.5	0.98
Chromium	100	NA	23	22	88	14	14	8.7	-	27	19	21	27	25	22	20	18
Chromium VI (Hexavalent)	100	NA	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	81	77	**260**	35	120	**200**	-	**540**	57	100	48	170	140	68	83
Mercury	20	NA	0.57	0.44	0.42	0.16	0.29	0.12	-	0.17	0.12	0.35	0.37	0.32	0.48	0.23	0.44
Nickel	600	NA	13	16	22	9.9	12	-	-	20	12	15	19	17	15	16	9.9
Selenium	400	NA	ND (5.8)	ND (5.5)	ND (5.7)	ND (5.7)	ND (5.4)	ND (6)	-	ND (5.7)	ND (5.5)	ND (5.4)	ND (7)	ND (7)	ND (5.6)	ND (6)	ND (5.6)
Silver	100	NA	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (0.6)	-	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)
Thallium	8	NA	ND (5.8)	ND (5.5)	ND (5.7)	ND (5.7)	ND (5.4)	-	-	ND (5.7)	ND (5.5)	ND (5.4)	ND (5.4)	ND (5.5)	ND (5.6)	ND (6)	ND (5.6)
Vanadium	400	NA	21	48	29	19	23	-	-	47	18	25	37	30	26	26	20
Zinc	1000	NA	85	88	90	48	100	-	-	240	77	130	73	180	98	89	87
TCLP Inorganic Compounds (mg/L)																	
Lead, Total	NA	5	-	-	ND (0.3)	-	ND (0.3)	0.084	-	ND (0.3)	-	1.3	-	ND (0.3)	ND (0.3)	-	-
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	1	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	ND (0.043)	-	ND (0.11)	**ND (1.1)**	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	ND (0.09)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	ND (0.043)	-	ND (0.11)	**ND (1.1)**	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	ND (0.09)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	ND (0.043)	-	ND (0.11)	**ND (1.1)**	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	ND (0.09)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	ND (0.043)	-	ND (0.11)	**ND (1.1)**	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	ND (0.09)
Aroclor-1248 (PCB-1248)	1	NA	0.47	-	0.42	0.51	ND (0.043)	-	ND (0.11)	**ND (1.1)**	0.43	ND (0.043)	0.42	0.24	0.27	0.13	ND (0.09)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	0.16	-	ND (0.11)	**8**	ND (0.044)	0.21	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	0.24
Aroclor-1260 (PCB-1260)	1	NA	0.2	-	0.099	0.14	0.15	-	ND (0.11)	**3.9**	0.18	0.12	0.099	0.15	0.11	ND (0.048)	0.25
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	ND (0.043)	-	ND (0.11)	ND (1.1)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	ND (0.09)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.045)	-	ND (0.046)	ND (0.047)	ND (0.043)	-	ND (0.11)	ND (1.1)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.044)	ND (0.045)	ND (0.048)	ND (0.09)
SUM of PCBs	1	NA	0.67	-	0.519	0.65	0.31	-	ND	**11.9**	0.61	0.33	0.519	0.39	0.38	0.13	0.49
Other																	
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	80.7	86.4	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	165 >	165 >	165 >	165 >	-	-	165 >	165 >	165 >	165 >	165 >	165 >	165 >	165 >
Ignitability (PA)	NA	NA	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (3.9)	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (19)	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	450	-	-	100	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7.1	6.8	7.3	7.1	9.2	8.6	-	6.5	7.1	7.6	6.9	7.2	7.2	9	6.8

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		L7	L8	M11	M12	M13	M14		M15	M16	M17	M18	N10		N11
Location Name			L7	L8	M11	M12	M13	M14	M14	M15	M16	M17	M18	N10	N10	N11
Sample Name			L7_S1_0.8-4.7	L8_S1_0.5-5.0	M11_S1_0-4	M12_S1_0.5-3	M13_S1_0.5-2.5	M14_S1_0.5-2.0	M14_S2_2.5-4.0	M15_S1_1-2.5	M16_S1_1.0-1.6	M17_S1_0.4-2.2	M18_S1_0.7-3.3	N10_S1_0-4	N10_S3_0-2.5	N11_S1_0.3-4
Sample Date			06/28/2010	12/20/2010	06/01/2010	06/02/2010	06/22/2010	06/04/2010	06/04/2010	07/12/2010	07/07/2010	07/21/2010	06/17/2010	01/23/2015	01/23/2015	06/01/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria														133615-1 133615-1RA1
			134316-37		133615-14	133618-42	134176-37	133689-1		134654-1	134565-16		134053-55			133615-34
			134316-46	138726-12	133615-36	133618-42RA1	134176-37RA1	133689-1RA1		134654-1RA1	134565-20	134943-24	134053-68			133615-41
			134316-53	138726-20	133615-43	133618-52	134176-45	133689-49		134654-31	134565-23	134943-29	134053-77			133615-48
Lab Sample ID			134476-3	138726-26	133615-50	133618-62	134176-51	133689-58	133689-2	134654-36	134744-2	134943-34	134263-2	15A0793-01	15A0793-03	133764-1
Sample Depth (bgs)			0.8 - 4.7 (ft)	0.5 - 5 (ft)	0 - 4 (ft)	0.5 - 3 (ft)	0.5 - 2.5 (ft)	0.5 - 2 (ft)	2.5 - 4 (ft)	1 - 2.5 (ft)	1 - 1.6 (ft)	0.4 - 2.2 (ft)	0.7 - 3.3 (ft)	0 - 4 (ft)	0 - 2.5 (ft)	0.3 - 4 (ft)
Sample Elevation (ft BCB)			19.2 to 15.3	18.6 to 14.1	19.1 to 15.1	18.8 to 16.3	19 to 17	19.1 to 17.6	17.1 to 15.6	18.5 to 17	18.6 to 18	19 to 17.2	18.5 to 15.9	18.6 to 14.6	18.6 to 16.1	18.5 to 14.8
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																
1,2,4-Trimethylbenzene	1000	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.008)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.0015)	-	ND (0.009)
1,4-Dichlorobenzene	0.7	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.008)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.0015)	-	ND (0.009)
Acetone	6	NA	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.2)	ND (0.22)	ND (0.33)	-	ND (0.2)	ND (0.2)	ND (0.24)	ND (0.2)	ND (0.073)	-	ND (0.37)
Chlorobenzene	1	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.008)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.0015)	-	ND (0.009)
Methyl Tert Butyl Ether	0.1	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.008)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.0029)	-	ND (0.009)
Naphthalene	4	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.008)	-	ND (0.005)	0.005	ND (0.006)	ND (0.005)	ND (0.0073)	-	ND (0.009)
Tetrachloroethene	1	NA	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.008)	-	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.0015)	-	ND (0.009)
SUM of Volatile Organic Compounds	NA	NA	ND	ND	ND	ND	ND	ND	-	ND	0.005	ND	ND	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																
1,4-Dichlorobenzene	0.7	NA	**ND (1.8)**	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
2-Methylnaphthalene	0.7	NA	**ND (1.8)**	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.19)	-	ND (0.37)
3&4-Methylphenol	NA	NA	ND (1.8)	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
Acenaphthene	4	NA	1.8	0.52	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	0.26	-	ND (0.37)
Acenaphthylene	1	NA	**ND (1.8)**	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.19)	-	ND (0.37)
Aniline	NA	NA	ND (1.8)	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
Anthracene	1000	NA	3.5	1.5	0.51	ND (0.34)	0.43	0.35	-	ND (0.36)	0.69	0.39	0.39	0.44	-	0.49
Benzo(a)anthracene	7	NA	4.4	2.3	1	0.71	0.72	0.87	-	0.49	1.6	0.76	0.95	1.2	-	1.3
Benzo(a)pyrene	2	NA	**2.8**	1.9	0.94	0.71	0.64	0.83	-	0.47	1.4	0.65	0.83	1.1	-	1.2
Benzo(b)fluoranthene	7	NA	3.6	2.2	1.1	1	0.88	1.1	-	0.62	1.9	0.8	1	1.4	-	1.5
Benzo(g,h,i)perylene	1000	NA	ND (1.8)	0.61	0.48	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	0.43	ND (0.37)	0.57	0.86	-	0.89
Benzo(k)fluoranthene	70	NA	ND (1.8)	0.76	0.42	0.4	ND (0.35)	0.41	-	ND (0.36)	0.62	ND (0.37)	0.39	0.54	-	0.55
bis(2-Ethylhexyl)phthalate	90	NA	ND (1.8)	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	0.63	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
Butyl benzylphthalate	100	NA	ND (1.8)	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
Carbazole	NA	NA	ND (1.8)	0.53	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	-	-	ND (0.37)
Chrysene	70	NA	4.4	2.2	0.93	0.72	0.74	0.92	-	0.49	1.5	0.75	0.88	1.2	-	1.3
Dibenz(a,h)anthracene	0.7	NA	**ND (1.8)**	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	0.19	-	ND (0.37)
Dibenzofuran	100	NA	ND (1.8)	0.55	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
Fluoranthene	1000	NA	9.5	4.7	2.3	1.3	1.4	1.7	-	1	3	1.6	1.8	2.7	-	2.6
Fluorene	1000	NA	ND (1.8)	0.72	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	0.21	-	ND (0.37)
Indeno(1,2,3-cd)pyrene	7	NA	ND (1.8)	0.82	0.54	ND (0.34)	ND (0.35)	0.36	-	ND (0.36)	0.6	ND (0.37)	0.65	0.83	-	0.93
Isophorone	100	NA	ND (1.8)	ND (0.37)	0.42	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.39)	-	ND (0.37)
Naphthalene	4	NA	ND (1.8)	0.43	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	0.62	ND (0.37)	ND (0.36)	0.22	-	ND (0.37)
N-Nitrosodiphenylamine	100	NA	ND (1.8)	ND (0.37)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	-	-	ND (0.37)
Phenanthrene	10	NA	**12**	5.1	2.2	0.86	0.93	1.3	-	0.63	2.5	1.4	1.3	2	-	1.8
Pyrene	1000	NA	9	4.4	2	0.99	1.3	1.4	-	0.9	2.6	1.3	1.6	2.4	-	2.3
SUM of Semi-Volatile Organic Compounds	NA	NA	51	29.24	12.84	6.69	7.04	9.24	-	4.6	18.09	7.65	10.36	15.55	-	14.86
Total Petroleum Hydrocarbons (mg/kg)																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	270	-	-
VPH (mg/kg)																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1)	ND (1.1)	ND (1.1)	ND (1.4)	ND (1.9)	ND (1.3)	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	-	-	ND (1.5)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1)	ND (1.1)	ND (1.1)	ND (1.4)	ND (1.9)	ND (1.3)	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	-	-	ND (1.5)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1)	ND (1.1)	ND (1.1)	ND (1.4)	ND (1.9)	ND (1.3)	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	-	-	1.7
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1)	ND (1.1)	ND (1.1)	ND (1.4)	ND (1.9)	ND (1.3)	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	-	-	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1)	ND (1.1)	ND (1.1)	ND (1.4)	ND (1.9)	ND (1.3)	-	ND (1.2)	ND (1.2)	ND (1.2)	1.2	-	-	2.6

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		L7	L8	M11	M12	M13	M14		M15	M16	M17	M18	N10		N11
Location Name			L7	L8	M11	M12	M13	M14	M14	M15	M16	M17	M18	N10	N10	N11
Sample Name			L7_S1_0.8-4.7	L8_S1_0.5-5.0	M11_S1_0-4	M12_S1_0.5-3	M13_S1_0.5-2.5	M14_S1_0.5-2.0	M14_S2_2.5-4.0	M15_S1_1-2.5	M16_S1_1.0-1.6	M17_S1_0.4-2.2	M18_S1_0.7-3.3	N10_S1_0-4	N10_S3_0-2.5	N11_S1_0.3-4
Sample Date			06/28/2010	12/20/2010	06/01/2010	06/02/2010	06/22/2010	06/04/2010	06/04/2010	07/12/2010	07/07/2010	07/21/2010	06/17/2010	01/23/2015	01/23/2015	06/01/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria														133615-1 133615-1RA1
			134316-37		133615-14	133618-42	134176-37	133689-1		134654-1	134565-16		134053-55			133615-34
			134316-46	138726-12	133615-36	133618-42RA1	134176-37RA1	133689-1RA1		134654-1RA1	134565-20	134943-24	134053-68			133615-41
			134316-53	138726-20	133615-43	133618-52	134176-45	133689-49		134654-31	134565-23	134943-29	134053-77			133615-48
Lab Sample ID			134476-3	138726-26	133615-50	133618-62	134176-51	133689-58	133689-2	134654-36	134744-2	134943-34	134263-2	15A0793-01	15A0793-03	133764-1
Sample Depth (bgs)			0.8 - 4.7 (ft)	0.5 - 5 (ft)	0 - 4 (ft)	0.5 - 3 (ft)	0.5 - 2.5 (ft)	0.5 - 2 (ft)	2.5 - 4 (ft)	1 - 2.5 (ft)	1 - 1.6 (ft)	0.4 - 2.2 (ft)	0.7 - 3.3 (ft)	0 - 4 (ft)	0 - 2.5 (ft)	0.3 - 4 (ft)
Sample Elevation (ft BCB)			19.2 to 15.3	18.6 to 14.1	19.1 to 15.1	18.8 to 16.3	19 to 17	19.1 to 17.6	17.1 to 15.6	18.5 to 17	18.6 to 18	19 to 17.2	18.5 to 15.9	18.6 to 14.6	18.6 to 16.1	18.5 to 14.8
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	190	98	110	62	77	88	-	130	120	110	120	-	-	92
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	210	110	120	71	94	97	-	150	140	130	140	-	-	110
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	200	87	130	71	66	110	-	170	160	90	100	-	-	65
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (32)	ND (23)	ND (30)	ND (33)	ND (32)	ND (33)	-	ND (32)	ND (33)	ND (34)	ND (34)	-	-	ND (33)
Inorganic Compounds (mg/kg)																
Antimony	20	NA	1.1	1.9	1.2	2.4	2.5	2.6	-	4.1	4.2	ND (1.1)	ND (1.3)	-	-	3.8
Arsenic	20	NA	3.3	ND (3.5)	ND (3.2)	ND (3.4)	ND (3.2)	ND (3.4)	-	ND (3.5)	4.9	ND (3.4)	4.7	5	-	3.5
Barium	1000	NA	58	72	8	58	79	63	-	45	82	24	65	60	-	110
Beryllium	90	NA	ND (0.33)	ND (0.35)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.34)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.39)	-	-	ND (0.34)
Cadmium	70	NA	1.2	1.2	ND (0.53)	1	1.6	1.1	-	1.7	2.3	0.6	1.4	0.71	-	1.3
Chromium	100	NA	20	19	2.9	28	30	24	-	30	26	8.9	21	21	-	30
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	130	88	5.5	65	92	88	-	62	**530**	36	110	72	-	120
Mercury	20	NA	0.27	0.52	0.034	0.1	0.18	0.79	-	0.44	0.95	0.23	0.07	0.37	-	0.54
Nickel	600	NA	14	15	ND (5.3)	17	21	15	-	21	19	6.7	15	-	-	21
Selenium	400	NA	ND (5.4)	ND (5.8)	ND (5.3)	ND (5.7)	5.5	ND (5.6)	-	ND (5.8)	ND (5.6)	ND (5.7)	ND (6.5)	ND (5.4)	-	ND (5.6)
Silver	100	NA	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.3)	ND (0.54)	-	ND (1.1)
Thallium	8	NA	ND (5.4)	ND (5.8)	ND (5.3)	ND (5.7)	ND (5.4)	ND (5.6)	-	ND (5.8)	ND (5.6)	ND (5.7)	ND (6.5)	-	-	ND (5.6)
Vanadium	400	NA	30	49	3.2	32	51	33	-	44	34	13	28	-	-	47
Zinc	1000	NA	100	93	12	87	120	97	-	100	230	51	100	-	-	130
TCLP Inorganic Compounds (mg/L)																
Lead, Total	NA	5	ND (0.3)	-	-	-	-	-	-	-	14	-	0.3	-	-	ND (0.3)
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.43)	-	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.86)	ND (0.045)	ND (0.046)	-	ND (0.11)	ND (0.09)
Aroclor-1221 (PCB-1221)	1	NA	ND (0.43)	-	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.86)	ND (0.045)	ND (0.046)	-	ND (0.11)	ND (0.09)
Aroclor-1232 (PCB-1232)	1	NA	ND (0.43)	-	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.86)	ND (0.045)	ND (0.046)	-	ND (0.11)	ND (0.09)
Aroclor-1242 (PCB-1242)	1	NA	ND (0.43)	-	0.22	0.61	ND (0.045)	**1.7**	ND (0.04)	ND (0.045)	ND (0.86)	ND (0.045)	ND (0.046)	-	ND (0.11)	**1.2**
Aroclor-1248 (PCB-1248)	1	NA	**2**	-	ND (0.04)	ND (0.04)	**2.9**	ND (0.04)	ND (0.04)	**1.2**	ND (0.86)	0.14	0.19	-	0.35	ND (0.09)
Aroclor-1254 (PCB-1254)	1	NA	ND (0.43)	-	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.04)	0.084	ND (0.045)	**5.6**	ND (0.045)	ND (0.046)	-	0.38	ND (0.09)
Aroclor-1260 (PCB-1260)	1	NA	**1.6**	-	0.36	0.2	0.39	0.42	0.055	0.28	**4.3**	0.047	0.066	-	0.17	0.23
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.43)	-	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.86)	ND (0.045)	ND (0.046)	-	ND (0.11)	ND (0.09)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.43)	-	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.04)	ND (0.04)	ND (0.045)	ND (0.86)	ND (0.045)	ND (0.046)	-	ND (0.11)	ND (0.09)
SUM of PCBs	1	NA	**3.6**	-	0.58	0.81	**3.29**	**2.12**	0.139	**1.48**	**9.9**	0.187	0.256	-	0.9	**1.43**
Other																
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	88.3	89.9	-
Ignitability (Deg F)	NA	NA	165 >	165 >	165 >	165 >	165 >	165 >	-	165 >	165 >	165 >	165 >	-	-	165 >
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	NI	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (3.9)	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (20)	-	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	49	-	-
pH Corrosivity (pH units)	NA	NA	9.1	7.1	6.7	6.9	7.2	7.8	-	6.8	6.8	6.9	8.6	9.3	-	6.3

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		N12	N13	N14	N15	N16	N17	N18	N8		N9	O12	O13	O14	O15
Location Name			N12	N13	N14	N15	N16	N17	N18	N8	N8	N9	O12	O13	O14	O15
Sample Name			N12_S1_0-3.3	N13_S1_1-2.3	N14_S1_0.6-1.6	N15_S1_0.5-2.7	N16_S1_1.3-2.1	N17_S1_0.5-0.9	N18_S1_0.9-4.8	N8_S1_0.4-4.4	N8_S3_0.4-2.4	N9_S1_1-4.9	O12_S1_0.3-3.5	O13_S1_0.4-4.5	O14_S1_0.7-3.1	O15_S1_0.4-5.0
Sample Date			06/04/2010	06/22/2010	06/22/2010	06/21/2010	06/18/2010	07/08/2010	06/17/2010	02/03/2015	02/03/2015	12/29/2010	06/01/2010	06/04/2010	06/21/2010	06/21/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria														
Lab Sample ID			133689-32 133689-32RA1 133689-54 133689-63	134176-36 134176-36RA1 134176-43 134176-49	134176-35 134176-35RA1 134176-41 134176-47	134155-12 134155-65 134155-76	134117-46 134117-46RA1 134117-58 134117-67	134611-36 134611-53 134611-60	134053-54 134053-54RA1 134053-66 134053-75 134263-1	15B0051-01	15B0051-03	138861-37 138861-51 138861-56	133615-33 133615-40 133615-47 133615-54	133689-13 133689-13RA1 133689-51 133689-60	134155-31 134155-31RA1 134155-69 134155-80	134155-20 134155-67 134155-78 134328-3
Sample Depth (bgs)			0 - 3.3 (ft)	1 - 2.3 (ft)	0.6 - 1.6 (ft)	0.5 - 2.7 (ft)	1.3 - 2.1 (ft)	0.5 - 0.9 (ft)	0.9 - 4.8 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)	1 - 4.9 (ft)	0.3 - 3.5 (ft)	0.4 - 4.5 (ft)	0.7 - 3.1 (ft)	0.4 - 5 (ft)
Sample Elevation (ft BCB)			18.9 to 15.6	18 to 16.7	18.4 to 17.4	18.7 to 16.5	18 to 17.2	18.6 to 18.2	18.1 to 14.2	17.9 to 13.9	17.9 to 15.9	17.4 to 13.5	18.2 to 15	18.2 to 14.1	18 to 15.6	18.5 to 13.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	NEW FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																
1,2,4-Trimethylbenzene	1000	NA	ND (0.25)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.008)	ND (0.009)	ND (0.0011)	-	ND (0.005)	ND (0.01)	ND (0.008)	ND (0.005)	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	ND (0.25)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.008)	ND (0.009)	ND (0.0011)	-	ND (0.005)	ND (0.01)	ND (0.008)	ND (0.005)	ND (0.006)
Acetone	6	NA	ND (2.5)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.31)	ND (0.37)	0.062	-	ND (0.2)	ND (0.4)	ND (0.3)	ND (0.21)	ND (0.25)
Chlorobenzene	1	NA	ND (0.25)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.008)	ND (0.009)	ND (0.0011)	-	ND (0.005)	ND (0.01)	ND (0.008)	ND (0.005)	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	**ND (0.25)**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.008)	ND (0.009)	ND (0.0023)	-	ND (0.005)	ND (0.01)	ND (0.008)	ND (0.005)	ND (0.006)
Naphthalene	4	NA	0.55	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.008)	ND (0.009)	ND (0.0057)	-	ND (0.005)	ND (0.01)	ND (0.008)	ND (0.005)	ND (0.006)
Tetrachloroethene	1	NA	ND (0.25)	ND (0.005)	ND (0.005)	0.007	ND (0.005)	ND (0.008)	ND (0.009)	ND (0.0011)	-	ND (0.005)	ND (0.01)	ND (0.008)	ND (0.005)	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	0.55	ND	ND	0.007	ND	ND	ND	0.062	-	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																
1,4-Dichlorobenzene	0.7	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
2-Methylnaphthalene	0.7	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	0.63	0.2	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	**1.9**
3&4-Methylphenol	NA	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Acenaphthene	4	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	2.1	0.3	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Acenaphthylene	1	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	0.51	ND (0.19)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Aniline	NA	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	0.62
Anthracene	1000	NA	ND (0.34)	0.5	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	4.7	0.41	-	ND (0.36)	0.45	ND (0.35)	ND (0.34)	ND (0.36)
Benzo(a)anthracene	7	NA	0.66	1	0.83	ND (0.35)	0.51	0.62	**8.2**	0.91	-	0.53	1.2	0.45	0.41	0.48
Benzo(a)pyrene	2	NA	0.61	0.94	0.76	ND (0.35)	0.47	0.56	**6.4**	0.83	-	0.46	1.1	0.39	ND (0.34)	0.46
Benzo(b)fluoranthene	7	NA	0.87	1.2	1	ND (0.35)	0.69	0.69	**7.9**	1	-	0.58	1.6	0.55	0.53	0.8
Benzo(g,h,i)perylene	1000	NA	ND (0.34)	0.41	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	0.69	0.65	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Benzo(k)fluoranthene	70	NA	0.34	0.46	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	2.7	0.44	-	ND (0.36)	0.53	ND (0.35)	ND (0.34)	ND (0.36)
bis(2-Ethylhexyl)phthalate	90	NA	ND (0.34)	ND (0.36)	ND (0.38)	0.65	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	-	ND (0.36)	1	ND (0.35)	ND (0.34)	ND (0.36)
Butyl benzylphthalate	100	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Carbazole	NA	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	1.4	-	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Chrysene	70	NA	0.65	1	0.87	ND (0.35)	0.56	0.65	8.2	0.94	-	0.53	1.1	0.44	0.41	0.64
Dibenz(a,h)anthracene	0.7	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	0.48	ND (0.19)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Dibenzofuran	100	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	1.8	ND (0.38)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Fluoranthene	1000	NA	1.3	2.1	1.7	ND (0.35)	1	1.4	20	1.9	-	1.1	2.5	1.1	0.96	1.2
Fluorene	1000	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	2.3	0.3	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.34)	0.47	0.4	ND (0.35)	ND (0.37)	ND (0.36)	1.6	0.61	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Isophorone	100	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.36)
Naphthalene	4	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	0.93	0.55	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	2.6
N-Nitrosodiphenylamine	100	NA	ND (0.34)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.34)	2.3
Phenanthrene	10	NA	0.91	1.7	1.2	ND (0.35)	0.76	1.2	**21**	1.7	-	0.88	1.6	0.86	0.9	1.4
Pyrene	1000	NA	0.97	1.9	1.5	ND (0.35)	0.91	1.1	17	1.7	-	1.1	1.8	0.86	0.71	0.81
SUM of Semi-Volatile Organic Compounds	NA	NA	6.31	11.68	8.26	0.65	4.9	6.22	108.54	12.44	-	5.18	12.88	4.65	3.92	13.21
Total Petroleum Hydrocarbons (mg/kg)																
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	340	-	-	-	-	-	-
VPH (mg/kg)																
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1)	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)	1.4	ND (1.8)	-	-	ND (1.1)	ND (1.4)	ND (1.3)	ND (1.6)	ND (1.2)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1)	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)	1.5	ND (1.8)	-	-	ND (1.1)	ND (1.4)	ND (1.3)	ND (1.6)	ND (1.2)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	1.1	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)	ND (1.3)	ND (1.8)	-	-	ND (1.1)	ND (1.4)	2.2	ND (1.6)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	3.1	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)	ND (1.3)	ND (1.8)	-	-	ND (1.1)	ND (1.4)	4.1	ND (1.6)	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	4.3	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)	1.8	1.9	-	-	ND (1.1)	ND (1.4)	6.4	ND (1.6)	ND (1.2)

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		N12	N13	N14	N15	N16	N17	N18	N8		N9	O12	O13	O14	O15
Location Name			N12	N13	N14	N15	N16	N17	N18	N8	N8	N9	O12	O13	O14	O15
Sample Name			N12_S1_0-3.3	N13_S1_1-2.3	N14_S1_0.6-1.6	N15_S1_0.5-2.7	N16_S1_1.3-2.1	N17_S1_0.5-0.9	N18_S1_0.9-4.8	N8_S1_0.4-4.4	N8_S3_0.4-2.4	N9_S1_1-4.9	O12_S1_0.3-3.5	O13_S1_0.4-4.5	O14_S1_0.7-3.1	O15_S1_0.4-5.0
Sample Date			06/04/2010	06/22/2010	06/22/2010	06/21/2010	06/18/2010	07/08/2010	06/17/2010	02/03/2015	02/03/2015	12/29/2010	06/01/2010	06/04/2010	06/21/2010	06/21/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria														
Lab Sample ID			133689-32 133689-32RA1 133689-54 133689-63	134176-36 134176-36RA1 134176-43 134176-49	134176-35 134176-35RA1 134176-41 134176-47	134155-12 134155-65 134155-76	134117-46 134117-46RA1 134117-58 134117-67	134611-36 134611-53 134611-60	134053-54 134053-54RA1 134053-66 134053-75 134263-1	15B0051-01	15B0051-03	138861-37 138861-51 138861-56	133615-33 133615-40 133615-47 133615-54	133689-13 133689-13RA1 133689-51 133689-60	134155-31 134155-31RA1 134155-69 134155-80	134155-20 134155-67 134155-78 134328-3
Sample Depth (bgs)			0 - 3.3 (ft)	1 - 2.3 (ft)	0.6 - 1.6 (ft)	0.5 - 2.7 (ft)	1.3 - 2.1 (ft)	0.5 - 0.9 (ft)	0.9 - 4.8 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)	1 - 4.9 (ft)	0.3 - 3.5 (ft)	0.4 - 4.5 (ft)	0.7 - 3.1 (ft)	0.4 - 5 (ft)
Sample Elevation (ft BCB)			18.9 to 15.6	18 to 16.7	18.4 to 17.4	18.7 to 16.5	18 to 17.2	18.6 to 18.2	18.1 to 14.2	17.9 to 13.9	17.9 to 15.9	17.4 to 13.5	18.2 to 15	18.2 to 14.1	18 to 15.6	18.5 to 13.9
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	NEW FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	65	89	96	310	150	160	93	-	-	110	40	87	170	200
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	77	110	110	310	170	170	110	-	-	130	46	100	180	200
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	67	86	150	360	120	180	70	-	-	82	60	140	230	230
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (32)	ND (32)	ND (34)	ND (31)	ND (33)	ND (34)	ND (32)	-	-	ND (21)	ND (32)	ND (31)	ND (31)	ND (32)
Inorganic Compounds (mg/kg)																
Antimony	20	NA	2	1.7	2.2	ND (1)	ND (1.2)	2.8	2.5	-	-	2.8	1.8	2	ND (1)	**29**
Arsenic	20	NA	5.9	ND (3.4)	3.7	ND (3.1)	ND (3.5)	ND (3.4)	13	ND (3)	-	ND (3.4)	ND (3.3)	ND (3.2)	ND (3)	4.4
Barium	1000	NA	47	53	61	30	14	34	93	49	-	58	22	75	15	46
Beryllium	90	NA	ND (0.31)	ND (0.34)	ND (0.36)	ND (0.31)	ND (0.35)	ND (0.34)	ND (0.33)	-	-	ND (0.34)	ND (0.33)	ND (0.32)	ND (0.3)	ND (0.32)
Cadmium	70	NA	1.3	0.96	1.1	0.57	ND (0.58)	ND (0.57)	1.4	ND (0.3)	-	0.92	ND (0.56)	0.83	0.88	1.7
Chromium	100	NA	19	21	23	12	5	22	12	19	-	22	6.6	13	17	22
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	65	70	95	15	12	56	160	53	-	73	10	50	21	**1700**
Mercury	20	NA	0.57	0.44	1.5	ND (0.018)	0.17	0.19	0.13	0.21	-	0.35	0.075	0.14	0.17	0.048
Nickel	600	NA	12	16	17	9.3	ND (5.8)	12	12	-	-	16	9.6	9.1	11	170
Selenium	400	NA	5.2	ND (5.6)	ND (5.9)	ND (5.2)	ND (5.8)	ND (5.7)	ND (5.4)	ND (6)	-	ND (5.7)	ND (5.6)	ND (5.3)	ND (5)	ND (5.4)
Silver	100	NA	ND (1)	ND (1.1)	ND (1.2)	ND (1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (0.6)	-	ND (1.1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)
Thallium	8	NA	ND (5.2)	ND (5.6)	ND (5.9)	ND (5.2)	ND (5.8)	ND (5.7)	ND (5.4)	-	-	ND (5.7)	ND (5.6)	ND (5.3)	ND (5)	ND (5.4)
Vanadium	400	NA	28	27	31	22	8.9	20	19	-	-	39	13	38	20	48
Zinc	1000	NA	80	87	110	37	22	67	160	-	-	79	43	66	45	510
TCLP Inorganic Compounds (mg/L)																
Lead, Total	NA	5	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	58
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																
Aroclor-1016 (PCB-1016)	1	NA	ND (0.04)	ND (0.044)	ND (0.045)	ND (0.042)	ND (0.045)	ND (0.045)	ND (0.43)	-	ND (0.11)	ND (0.044)	ND (0.04)	ND (0.04)	ND (0.042)	**ND (2.2)**
Aroclor-1221 (PCB-1221)	1	NA	ND (0.04)	ND (0.044)	ND (0.045)	ND (0.042)	ND (0.045)	ND (0.045)	ND (0.43)	-	ND (0.11)	ND (0.044)	ND (0.04)	ND (0.04)	ND (0.042)	**ND (2.2)**
Aroclor-1232 (PCB-1232)	1	NA	ND (0.04)	ND (0.044)	ND (0.045)	ND (0.042)	ND (0.045)	ND (0.045)	ND (0.43)	-	ND (0.11)	ND (0.044)	ND (0.04)	ND (0.04)	ND (0.042)	**ND (2.2)**
Aroclor-1242 (PCB-1242)	1	NA	0.78	ND (0.044)	ND (0.045)	ND (0.042)	ND (0.045)	ND (0.045)	ND (0.43)	-	ND (0.11)	ND (0.044)	0.46	0.6	ND (0.042)	**ND (2.2)**
Aroclor-1248 (PCB-1248)	1	NA	ND (0.04)	**1.7**	**1.1**	ND (0.042)	0.4 p	ND (0.045)	ND (0.43)	-	0.24	0.11	ND (0.04)	ND (0.04)	0.57	**ND (2.2)**
Aroclor-1254 (PCB-1254)	1	NA	ND (0.04)	ND (0.044)	ND (0.045)	0.16	ND (0.045)	0.3	0.52	-	0.32	ND (0.044)	ND (0.04)	ND (0.04)	ND (0.042)	**5.6**
Aroclor-1260 (PCB-1260)	1	NA	0.16	0.34	0.41	0.17	0.14	0.22	0.53	-	0.55	0.054	0.11	0.19	0.11	**3.1**
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.04)	ND (0.044)	ND (0.045)	ND (0.042)	ND (0.045)	ND (0.045)	ND (0.43)	-	ND (0.11)	ND (0.044)	ND (0.04)	ND (0.04)	ND (0.042)	ND (2.2)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.04)	ND (0.044)	ND (0.045)	ND (0.042)	ND (0.045)	ND (0.045)	ND (0.43)	-	ND (0.11)	ND (0.044)	ND (0.04)	ND (0.04)	ND (0.042)	ND (2.2)
SUM of PCBs	1	NA	0.94	**2.04**	**1.51**	0.33	0.54	0.52	**1.05**	-	**1.11**	0.164	0.57	0.79	0.68	**8.7**
Other																
Percent Solids, vol. (%wt)	NA	NA	-	-	-	-	-	-	-	88.1	91.5	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	165 >	165 >	165 >	165 >	165 >	165 >	-	-	165 >	165 >	165 >	165 >	165 >
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	NI	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (3.9)	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (20)	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	-	-	-	-	-	72	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7.4	7	7	7.5	7.4	7.3	8.4	11	-	8.3	6.8	9.2	8	7.9

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		O17	O18	O9		P10	P13	P14		P15	P16	P17	P18	P9
Location Name			O17	O18	O9	O9	P10	P13	P14	P14A	P15	P16	P17	P18	P9
Sample Name			O17_S1_0.5-1.3	O18_S1_0.7-4.7	O9_S1_0.5-6.0	O9_S3_0.5-2.0	P10_S1_0.9-3.8	P13_S1_0.5-2.0	P14_S1_0.9-3.2	P14a_S1_0.5-2.3	P15_S1_0.8-3.1	P16_S1_0.6-6.6	P17_S1_0.6-2.3	P18_S1_0.5-2.5	P9_S1_0.7-3.5
Sample Date			07/08/2010	06/17/2010	03/02/2015	03/02/2015	06/16/2010	06/21/2010	06/21/2010	01/05/2011	06/18/2010	06/16/2010	07/06/2010	06/17/2010	06/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134611-24 134611-51 134611-58	134053-52 134053-62			134015-41 134015-41RA1 134015-53 134015-63	134155-52 134155-52RA1 134155-73	134155-39 134155-39RA1 134155-71	138980-17	134117-44 134117-44RA1 134117-54 134117-63	134015-40 134015-52	134530-26 134530-26RA1 134530-51	134053-51 134053-60	133973-21 133973-49 133973-56
Lab Sample ID			134787-4	134053-71	15C0517-01	15C0031-03	134218-2	134155-84	134155-82	138980-17RA1	134331-1	134015-62	134530-59	134053-69	134179-1
Sample Depth (bgs)			0.5 - 1.3 (ft)	0.7 - 4.7 (ft)	0.5 - 6 (ft)	0.5 - 2 (ft)	0.9 - 3.8 (ft)	0.5 - 2 (ft)	0.9 - 3.2 (ft)	0.5 - 2.3 (ft)	0.8 - 3.1 (ft)	0.6 - 6.6 (ft)	0.6 - 2.3 (ft)	0.5 - 2.5 (ft)	0.7 - 3.5 (ft)
Sample Elevation (ft BCB)			18.3 to 17.5	18 to 14	17.5 to 12	17.5 to 16	17.1 to 14.2	17.7 to 16.2	17.4 to 15.1	17.9 to 16.1	17.6 to 15.3	18 to 12	18 to 16.3	18 to 16	17.1 to 14.3
Soil Description			FILL	FILL	FILL	FILL	NEW FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)															
1,2,4-Trimethylbenzene	1000	NA	ND (0.006)	ND (0.008)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.006)
1,4-Dichlorobenzene	0.7	NA	ND (0.006)	ND (0.008)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	0.015	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.006)
Acetone	6	NA	ND (0.24)	ND (0.3)	-	-	ND (0.21)	ND (0.2)	ND (0.22)	-	ND (0.22)	ND (0.26)	ND (0.24)	ND (0.35)	ND (0.22)
Chlorobenzene	1	NA	ND (0.006)	ND (0.008)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	0.01	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.006)
Methyl Tert Butyl Ether	0.1	NA	ND (0.006)	ND (0.008)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.006)	0.018	ND (0.006)	ND (0.009)	ND (0.006)
Naphthalene	4	NA	ND (0.006)	ND (0.008)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.009)	0.01
Tetrachloroethene	1	NA	ND (0.006)	ND (0.008)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.009)	ND (0.006)
SUM of Volatile Organic Compounds	NA	NA	-	ND	-	-	ND	ND	ND	-	0.025	0.018	ND	ND	0.01
Semi-Volatile Organic Compounds (mg/kg)															
1,4-Dichlorobenzene	0.7	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	0.53	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
2-Methylnaphthalene	0.7	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
3&4-Methylphenol	NA	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Acenaphthene	4	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Acenaphthylene	1	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Aniline	NA	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Anthracene	1000	NA	ND (0.36)	ND (0.38)	-	-	0.66	0.43	0.57	-	0.38	ND (0.34)	ND (0.35)	0.65	0.68
Benzo(a)anthracene	7	NA	1	0.66	-	-	1.3	0.99	1.3	-	0.88	ND (0.34)	0.91	1.7	1.5
Benzo(a)pyrene	2	NA	0.8	0.55	-	-	1.1	0.87	1.2	-	0.8	ND (0.34)	0.8	1.5	1.4
Benzo(b)fluoranthene	7	NA	1.2	0.7	-	-	1.4	1.2	1.4	-	1.1	0.35	1	1.9	1.7
Benzo(g,h,i)perylene	1000	NA	ND (0.36)	ND (0.38)	-	-	0.53	0.47	0.73	-	0.36	ND (0.34)	ND (0.35)	0.97	0.76
Benzo(k)fluoranthene	70	NA	0.43	ND (0.38)	-	-	0.51	0.39	0.53	-	0.37	ND (0.34)	0.41	0.74	0.63
bis(2-Ethylhexyl)phthalate	90	NA	0.45	ND (0.38)	-	-	ND (0.36)	0.41	ND (0.35)	-	0.82	ND (0.34)	ND (0.35)	ND (0.38)	0.51
Butyl benzylphthalate	100	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Carbazole	NA	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Chrysene	70	NA	0.94	0.68	-	-	1.2	1	1.3	-	0.88	ND (0.34)	0.93	1.6	1.5
Dibenz(a,h)anthracene	0.7	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Dibenzofuran	100	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Fluoranthene	1000	NA	1.8	1.6	-	-	2.7	1.9	2.5	-	1.9	0.64	1.7	3.4	3
Fluorene	1000	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Indeno(1,2,3-cd)pyrene	7	NA	ND (0.36)	0.39	-	-	0.69	0.52	0.77	-	0.4	ND (0.34)	0.38	1.1	0.82
Isophorone	100	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Naphthalene	4	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	0.45
N-Nitrosodiphenylamine	100	NA	ND (0.36)	ND (0.38)	-	-	ND (0.36)	ND (0.35)	ND (0.35)	-	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.38)	ND (0.37)
Phenanthrene	10	NA	0.49	1.4	-	-	2.3	1.5	2	-	1.4	0.59	1.2	2.4	2.5
Pyrene	1000	NA	1.7	1.3	-	-	2.2	1.7	2.2	-	1.7	0.55	1.5	3	2.6
SUM of Semi-Volatile Organic Compounds	NA	NA	8.81	7.28	-	-	14.59	11.38	14.5	-	11.52	2.13	8.83	18.96	18.05
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)															
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	ND (1.4)	ND (1.5)	-	-	ND (1.2)	ND (1.2)	ND (1.1)	-	ND (1.7)	ND (1.5)	ND (1.3)	ND (1.9)	ND (1.2)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	ND (1.4)	ND (1.5)	-	-	ND (1.2)	ND (1.2)	ND (1.1)	-	ND (1.7)	ND (1.5)	ND (1.3)	ND (1.9)	ND (1.2)
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	ND (1.4)	ND (1.5)	-	-	ND (1.2)	ND (1.2)	ND (1.1)	-	5.1	ND (1.5)	ND (1.3)	6.6	2.5
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	ND (1.4)	ND (1.5)	-	-	ND (1.2)	ND (1.2)	ND (1.1)	-	2.8	ND (1.5)	ND (1.3)	6.8	ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	1.6	ND (1.5)	-	-	ND (1.2)	ND (1.2)	1.4	-	8.7	ND (1.5)	ND (1.3)	14	1.7

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		O17	O18	O9		P10	P13	P14		P15	P16	P17	P18	P9
Location Name			O17	O18	O9	O9	P10	P13	P14	P14A	P15	P16	P17	P18	P9
Sample Name			O17_S1_0.5-1.3	O18_S1_0.7-4.7	O9_S1_0.5-6.0	O9_S3_0.5-2.0	P10_S1_0.9-3.8	P13_S1_0.5-2.0	P14_S1_0.9-3.2	P14a_S1_0.5-2.3	P15_S1_0.8-3.1	P16_S1_0.6-6.6	P17_S1_0.6-2.3	P18_S1_0.5-2.5	P9_S1_0.7-3.5
Sample Date			07/08/2010	06/17/2010	03/02/2015	03/02/2015	06/16/2010	06/21/2010	06/21/2010	01/05/2011	06/18/2010	06/16/2010	07/06/2010	06/17/2010	06/15/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria	134611-24 134611-51 134611-58	134053-52 134053-62			134015-41 134015-41RA1 134015-53 134015-63	134155-52 134155-52RA1 134155-73	134155-39 134155-39RA1 134155-71	138980-17	134117-44 134117-44RA1 134117-54 134117-63	134015-40 134015-52	134530-26 134530-26RA1 134530-51	134053-51 134053-60	133973-21 133973-49 133973-56
Lab Sample ID			134787-4	134053-71	15C0517-01	15C0031-03	134218-2	134155-84	134155-82	138980-17RA1	134331-1	134015-62	134530-59	134053-69	134179-1
Sample Depth (bgs)			0.5 - 1.3 (ft)	0.7 - 4.7 (ft)	0.5 - 6 (ft)	0.5 - 2 (ft)	0.9 - 3.8 (ft)	0.5 - 2 (ft)	0.9 - 3.2 (ft)	0.5 - 2.3 (ft)	0.8 - 3.1 (ft)	0.6 - 6.6 (ft)	0.6 - 2.3 (ft)	0.5 - 2.5 (ft)	0.7 - 3.5 (ft)
Sample Elevation (ft BCB)			18.3 to 17.5	18 to 14	17.5 to 12	17.5 to 16	17.1 to 14.2	17.7 to 16.2	17.4 to 15.1	17.9 to 16.1	17.6 to 15.3	18 to 12	18 to 16.3	18 to 16	17.1 to 14.3
Soil Description			FILL	FILL	FILL	FILL	NEW FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)															
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	160	150	-	-	90	87	90	-	70	71	110	130	140
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	160	170	-	-	110	100	110	-	77	78	120	170	190
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	190	160	-	-	86	110	91	-	68	63	160	83	96
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	ND (31)	ND (33)	-	-	ND (34)	ND (31)	ND (32)	-	ND (32)	ND (30)	ND (32)	ND (36)	ND (33)
Inorganic Compounds (mg/kg)															
Antimony	20	NA	4	ND (1.2)	-	-	ND (1.1)	1.4	ND (1.1)	-	2.4	1.3	ND (1.1)	ND (1.2)	ND (1.1)
Arsenic	20	NA	ND (3.3)	17	-	-	5.3	3.9	4.6	-	ND (3.6)	ND (3)	ND (3.4)	ND (3.6)	12
Barium	1000	NA	34	37	-	-	73	67	50	-	40	37	31	96	63
Beryllium	90	NA	ND (0.33)	ND (0.35)	-	-	ND (0.33)	ND (0.33)	ND (0.33)	-	ND (0.36)	ND (0.3)	ND (0.34)	ND (0.36)	ND (0.33)
Cadmium	70	NA	ND (0.56)	0.71	-	-	1.8	1.3	1.3	-	1.6	1.2	0.79	1.1	5.7
Chromium	100	NA	13	7.8	-	-	23	22	20	-	18	15	13	16	18
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	**410**	39	-	-	110	83	69	-	140	75	37	54	190
Mercury	20	NA	0.85	0.19	-	-	0.34	0.33	0.29	-	0.15	0.054	0.28	0.29	0.42
Nickel	600	NA	13	6.6	-	-	20	30	12	-	23	19	7.5	17	23
Selenium	400	NA	ND (5.6)	ND (5.9)	-	-	ND (7)	ND (5.5)	5.9	-	6.1	ND (5)	ND (5.6)	ND (5.9)	18
Silver	100	NA	ND (1.1)	ND (1.2)	-	-	ND (1.1)	ND (1.1)	ND (1.1)	-	ND (1.2)	ND (1)	ND (1.1)	ND (1.2)	ND (1.1)
Thallium	8	NA	ND (5.6)	ND (5.9)	-	-	ND (5.5)	ND (5.5)	ND (5.5)	-	ND (5.9)	ND (5)	ND (5.6)	ND (5.9)	ND (5.5)
Vanadium	400	NA	39	12	-	-	31	31	20	-	26	22	14	22	39
Zinc	1000	NA	110	140	-	-	100	100	84	-	95	83	53	72	190
TCLP Inorganic Compounds (mg/L)															
Lead, Total	NA	5	42	-	-	-	ND (0.3)	-	-	-	ND (0.3)	-	-	-	0.3
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1016 (PCB-1016)	1	NA	**ND (4.3)**	ND (0.45)	ND (0.12)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	ND (0.047)	ND (0.044)
Aroclor-1221 (PCB-1221)	1	NA	**ND (4.3)**	ND (0.45)	ND (0.12)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	ND (0.047)	ND (0.044)
Aroclor-1232 (PCB-1232)	1	NA	**ND (4.3)**	ND (0.45)	ND (0.12)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	ND (0.047)	ND (0.044)
Aroclor-1242 (PCB-1242)	1	NA	**ND (4.3)**	ND (0.45)	ND (0.12)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	ND (0.047)	0.35
Aroclor-1248 (PCB-1248)	1	NA	**ND (4.3)**	0.88	ND (0.12)	0.5	**1.1**	**1.5**	**1.9**	**1**	**2.5 p**	0.41	0.73	ND (0.047)	ND (0.044)
Aroclor-1254 (PCB-1254)	1	NA	**28**	ND (0.45)	ND (0.12)	0.36	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	0.22	ND (0.044)
Aroclor-1260 (PCB-1260)	1	NA	**18**	ND (0.45)	ND (0.12)	0.14	0.29	0.36	0.32	0.3	**1.3**	0.2	0.2	0.11	0.15
Aroclor-1262 (PCB-1262)	NA	NA	ND (4.3)	ND (0.45)	ND (0.12)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	ND (0.047)	ND (0.044)
Aroclor-1268 (PCB-1268)	NA	NA	ND (4.3)	ND (0.45)	ND (0.12)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.043)	ND (0.046)	ND (0.043)	ND (0.04)	ND (0.043)	ND (0.047)	ND (0.044)
SUM of PCBs	1	NA	**46**	0.88	ND	**1**	**1.39**	**1.86**	**2.22**	**1.3**	**3.8**	0.61	0.93	0.33	0.5
Other															
Percent Solids, vol. (%wt)	NA	NA	-	-	83.7	83	-	-	-	-	-	-	-	-	-
Ignitability (Deg F)	NA	NA	165 >	165 >	-	-	165 >	165 >	165 >	-	165 >	165 >	165 >	165 >	165 >
Ignitability (PA)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (50)	ND (50)	-	-	ND (50)	ND (50)	ND (50)	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (100)	ND (100)	-	-	ND (100)	ND (100)	ND (100)	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	NA	NA	7.2	8.6	-	-	8.3	9.5	7.4	-	7.4	7.7	7.8	10	7.9

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		Q11		Q13	Q14	Q15	R11	R15	R18		S15
Location Name			Q11	Q11	Q13	Q14	Q15	R11A	R15	R18	R18	S15
Sample Name			Q11_S1_0.2-5.7	Q11_S2_0.2-1.7	Q13_S1_0.5-6.5	Q14_S1_0.5-8.0	Q15_S1_0.5-7.5	R11A_S1_0-10.1	R15_S1_0-6.5	R18_S1_0.5-6.0	R18_S2_0.5-6.0	S15_S1_0-6.3
Sample Date			02/07/2015	02/07/2015	06/15/2010	06/15/2010	06/16/2010	02/12/2015	06/14/2010	01/22/2015	01/22/2015	06/11/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			133973-1 133973-46	133973-12 133973-12RA1 133973-48	134015-37 134015-47 134015-57	15B0413-01	133923-15 133923-65	15A0725-01		133875-52 133875-52RA1 133875-64 133875-73
Lab Sample ID			15B0268-01	15B0268-02	133973-53	133973-55	134218-1	15B0559-01	133923-76	15A0725-01RE1	15A0725-02	134056-2
Sample Depth (bgs)			0.2 - 5.7 (ft)	0.2 - 1.7 (ft)	0.5 - 6.5 (ft)	0.5 - 8 (ft)	0.5 - 7.5 (ft)	0 - 10.1 (ft)	0 - 6.5 (ft)	0.5 - 6 (ft)	0.5 - 6 (ft)	0 - 6.3 (ft)
Sample Elevation (ft BCB)			17.5 to 12	17.5 to 16	17.4 to 11.4	17.4 to 9.9	17.5 to 10.5	17.3 to 7.2	17.5 to 11	17.5 to 12	17.5 to 12	17.3 to 11
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)												
1,2,4-Trimethylbenzene	1000	NA	ND (0.0016)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0022)	ND (0.005)	ND (0.0015)	-	ND (0.29)
1,4-Dichlorobenzene	0.7	NA	ND (0.0016)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0022)	ND (0.005)	ND (0.0015)	-	ND (0.29)
Acetone	6	NA	ND (0.079)	-	ND (0.2)	ND (0.21)	ND (0.2)	ND (0.11)	ND (0.21)	ND (0.077)	-	ND (2.9)
Chlorobenzene	1	NA	ND (0.0016)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0022)	ND (0.005)	ND (0.0015)	-	ND (0.29)
Methyl Tert Butyl Ether	0.1	NA	ND (0.0032)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0044)	ND (0.005)	ND (0.0031)	-	**ND (0.29)**
Naphthalene	4	NA	ND (0.0079)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.011)	ND (0.005)	ND (0.0077)	-	0.52
Tetrachloroethene	1	NA	ND (0.0016)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0022)	ND (0.005)	ND (0.0015)	-	ND (0.29)
SUM of Volatile Organic Compounds	NA	NA	ND	-	ND	ND	0.005	ND	ND	ND	-	0.52
Semi-Volatile Organic Compounds (mg/kg)												
1,4-Dichlorobenzene	0.7	NA	**ND (1.5)**	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	ND (0.39)	-	**ND (0.72)**
2-Methylnaphthalene	0.7	NA	**ND (0.75)**	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	0.54	-	**ND (0.72)**
3&4-Methylphenol	NA	NA	ND (1.5)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	ND (0.39)	-	ND (0.72)
Acenaphthene	4	NA	1	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	2.4	-	ND (0.72)
Acenaphthylene	1	NA	ND (0.75)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	ND (0.19)	-	ND (0.72)
Aniline	NA	NA	ND (1.5)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	ND (0.39)	-	ND (0.72)
Anthracene	1000	NA	1.2	-	ND (0.35)	ND (0.35)	ND (0.38)	0.29	ND (0.34)	4.5	-	ND (0.72)
Benzo(a)anthracene	7	NA	3.2	-	0.42	ND (0.35)	ND (0.38)	0.51	0.41	**9.6**	-	ND (0.72)
Benzo(a)pyrene	2	NA	**3**	-	0.39	ND (0.35)	ND (0.38)	0.45	0.39	**7.3**	-	ND (0.72)
Benzo(b)fluoranthene	7	NA	3.7	-	0.61	ND (0.35)	0.42	0.51	0.52	**9.4**	-	ND (0.72)
Benzo(g,h,i)perylene	1000	NA	1.6	-	ND (0.35)	ND (0.35)	ND (0.38)	0.26	ND (0.34)	3.4	-	ND (0.72)
Benzo(k)fluoranthene	70	NA	1.5	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	4.4	-	ND (0.72)
bis(2-Ethylhexyl)phthalate	90	NA	ND (1.5)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	ND (0.39)	-	ND (0.72)
Butyl benzylphthalate	100	NA	ND (1.5)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	ND (0.39)	-	ND (0.72)
Carbazole	NA	NA	-	-	ND (0.35)	ND (0.35)	ND (0.38)	-	ND (0.34)	-	-	ND (0.72)
Chrysene	70	NA	3.4	-	0.45	ND (0.35)	ND (0.38)	0.51	0.43	9.2	-	ND (0.72)
Dibenz(a,h)anthracene	0.7	NA	**ND (0.75)**	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	**1.5**	-	**ND (0.72)**
Dibenzofuran	100	NA	ND (1.5)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	1.3	-	ND (0.72)
Fluoranthene	1000	NA	7.7	-	0.8	ND (0.35)	0.69	1.1	0.89	20	-	1
Fluorene	1000	NA	0.92	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	2.3	-	ND (0.72)
Indeno(1,2,3-cd)pyrene	7	NA	1.8	-	ND (0.35)	ND (0.35)	ND (0.38)	0.33	ND (0.34)	3.9	-	ND (0.72)
Isophorone	100	NA	ND (1.5)	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.42)	ND (0.34)	ND (0.39)	-	ND (0.72)
Naphthalene	4	NA	1.5	-	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.21)	ND (0.34)	0.8	-	ND (0.72)
N-Nitrosodiphenylamine	100	NA	-	-	ND (0.35)	ND (0.35)	ND (0.38)	-	ND (0.34)	-	-	ND (0.72)
Phenanthrene	10	NA	6.5	-	0.52	ND (0.35)	ND (0.38)	0.8	0.8	**16**	-	0.84
Pyrene	1000	NA	7.7	-	0.69	ND (0.35)	1.1	1.2	0.72	19	-	0.86
SUM of Semi-Volatile Organic Compounds	NA	NA	44.72	-	3.88	ND	2.21	5.96	4.16	115.54	-	2.7
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons (C9-C36)	NA	NA	1100	-	-	-	-	640	-	330	-	-
VPH (mg/kg)												
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	100	NA	-	-	ND (1.3)	ND (1.3)	1.4	-	ND (1.2)	-	-	ND (1.1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	ND (1.3)	ND (1.3)	1.5	-	ND (1.2)	-	-	1.2
MADEP C9-C10 AROMATIC HYDROCARBONS	100	NA	-	-	3.9	3.4	4.8	-	2	-	-	7.8
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	2.6	2	2.1	-	ND (1.2)	-	-	5.6
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	6.7	5.5	7.1	-	2.1	-	-	14

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

Precharacterization Grid	Action Level		Q11		Q13	Q14	Q15	R11	R15	R18		S15
Location Name			Q11	Q11	Q13	Q14	Q15	R11A	R15	R18	R18	S15
Sample Name			Q11_S1_0.2-5.7	Q11_S2_0.2-1.7	Q13_S1_0.5-6.5	Q14_S1_0.5-8.0	Q15_S1_0.5-7.5	R11A_S1_0-10.1	R15_S1_0-6.5	R18_S1_0.5-6.0	R18_S2_0.5-6.0	S15_S1_0-6.3
Sample Date			02/07/2015	02/07/2015	06/15/2010	06/15/2010	06/16/2010	02/12/2015	06/14/2010	01/22/2015	01/22/2015	06/11/2010
	MCP Reportable Concentration RCS-1 2014	RCRA TCLP Criteria			133973-1 133973-46	133973-12 133973-12RA1 133973-48	134015-37 134015-47 134015-57	15B0413-01	133923-15 133923-65	15A0725-01		133875-52 133875-52RA1 133875-64 133875-73
Lab Sample ID			15B0268-01	15B0268-02	133973-53	133973-55	134218-1	15B0559-01	133923-76	15A0725-01RE1	15A0725-02	134056-2
Sample Depth (bgs)			0.2 - 5.7 (ft)	0.2 - 1.7 (ft)	0.5 - 6.5 (ft)	0.5 - 8 (ft)	0.5 - 7.5 (ft)	0 - 10.1 (ft)	0 - 6.5 (ft)	0.5 - 6 (ft)	0.5 - 6 (ft)	0 - 6.3 (ft)
Sample Elevation (ft BCB)			17.5 to 12	17.5 to 16	17.4 to 11.4	17.4 to 9.9	17.5 to 10.5	17.3 to 7.2	17.5 to 11	17.5 to 12	17.5 to 12	17.3 to 11
Soil Description			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)												
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	1000	NA	-	-	270	460	870	-	330	-	-	570
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	NA	NA	-	-	280	460	880	-	330	-	-	580
MADEP C19-C36 ALIPHATIC HYDROCARBONS	3000	NA	-	-	430	870	920	-	600	-	-	950
MADEP C9-C18 ALIPHATIC HYDROCARBONS	1000	NA	-	-	310	680	760	-	490	-	-	530
Inorganic Compounds (mg/kg)												
Antimony	20	NA	-	-	ND (1.1)	ND (1.1)	1.3	-	ND (1.1)	-	-	9
Arsenic	20	NA	3.8	-	ND (3.2)	ND (3.3)	ND (3.6)	3.4	ND (3.3)	3.6	-	ND (3.4)
Barium	1000	NA	55	-	43	43	79	39	39	53	-	37
Beryllium	90	NA	-	-	ND (0.32)	ND (0.33)	ND (0.36)	-	ND (0.33)	-	-	ND (0.34)
Cadmium	70	NA	1.2	-	0.66	0.84	2.7	ND (0.31)	0.97	0.59	-	1.1
Chromium	100	NA	20	-	15	13	28	22	22	15	-	15
Chromium VI (Hexavalent)	100	NA	-	-	-	-	-	-	-	-	-	-
Lead	200	NA	**1100**	-	44	40	**330**	110	44	68	-	**830**
Mercury	20	NA	0.31	-	0.18	ND (0.019)	0.23	0.74	0.37	0.095	-	0.31
Nickel	600	NA	-	-	11	11	28	-	13	-	-	16
Selenium	400	NA	ND (5.4)	-	ND (5.3)	ND (5.5)	ND (7)	ND (6.1)	ND (5.5)	ND (5.5)	-	ND (5.7)
Silver	100	NA	ND (0.54)	-	ND (1.1)	ND (1.1)	ND (1.2)	ND (0.61)	ND (1.1)	ND (0.55)	-	ND (1.1)
Thallium	8	NA	-	-	ND (5.3)	ND (5.5)	ND (6)	-	ND (5.5)	-	-	ND (5.7)
Vanadium	400	NA	-	-	30	24	48	-	26	-	-	24
Zinc	1000	NA	-	-	66	71	240	-	54	-	-	89
TCLP Inorganic Compounds (mg/L)												
Lead, Total	NA	5	-	-	-	-	7.5	0.31	-	-	-	14
Mercury, Total	NA	0.2	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	1	NA	-	ND (0.11)	ND (0.42)	ND (0.044)	**ND (4.6)**	-	ND (0.043)	-	ND (0.11)	ND (0.044)
Aroclor-1221 (PCB-1221)	1	NA	-	ND (0.11)	ND (0.42)	ND (0.044)	**ND (4.6)**	-	ND (0.043)	-	ND (0.11)	ND (0.044)
Aroclor-1232 (PCB-1232)	1	NA	-	ND (0.11)	ND (0.42)	ND (0.044)	**ND (4.6)**	-	ND (0.043)	-	ND (0.11)	ND (0.044)
Aroclor-1242 (PCB-1242)	1	NA	-	ND (0.11)	ND (0.42)	**1.2**	**ND (4.6)**	-	ND (0.043)	-	ND (0.11)	ND (0.044)
Aroclor-1248 (PCB-1248)	1	NA	-	0.6	ND (0.42)	ND (0.044)	**ND (4.6)**	-	ND (0.043)	-	ND (0.11)	ND (0.044)
Aroclor-1254 (PCB-1254)	1	NA	-	0.52	**1.3**	ND (0.044)	**ND (4.6)**	-	0.33	-	0.13	**3.9**
Aroclor-1260 (PCB-1260)	1	NA	-	0.31	**1**	0.37	**14**	-	0.2	-	ND (0.11)	**3.5**
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.11)	ND (0.42)	ND (0.044)	ND (4.6)	-	ND (0.043)	-	ND (0.11)	ND (0.044)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.11)	ND (0.42)	ND (0.044)	ND (4.6)	-	ND (0.043)	-	ND (0.11)	ND (0.044)
SUM of PCBs	1	NA	-	**1.43**	**2.3**	**1.57**	**14**	-	0.53	-	0.13	**7.4**
Other												
Percent Solids, vol. (%wt)	NA	NA	90.8	88.7	-	-	-	80.4	-	88.2	93	-
Ignitability (Deg F)	NA	NA	-	-	165 >	165 >	165 >	-	165 >	-	-	165 >
Ignitability (PA)	NA	NA	NI	-	-	-	-	NI	-	NI	-	-
Reactive Cyanide (mg/kg)	NA	NA	ND (4)	-	ND (50)	ND (50)	ND (50)	ND (4)	ND (50)	ND (3.9)	-	ND (50)
Reactive Sulfide (mg/kg)	NA	NA	ND (20)	-	ND (100)	ND (100)	ND (100)	ND (20)	ND (100)	ND (20)	-	ND (100)
Oxidation reduction potential (mv)	NA	NA	53	-	-	-	-	39	-	74	-	-
pH Corrosivity (pH units)	NA	NA	8.5	-	7.1	7	7.4	7.3	6.9	11	-	7.4

TABLE IV
SUMMARY OF SOIL QUALITY DATA
PARKING AREA BACKFILL
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

ABBREVIATIONS:
-: Not Analyzed
Deg F: degrees Fahrenheit
mg/kg: milligram per kilogram
mV: millivolts
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable
S.U.: Standard Units

NOTES:
1. **Bold** values detected exceed the RCS-1 criteria.
2. **Bold ND (2.5)** values indicated the laboratory reporting limit exceeds the RCS-1 criteria.

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		021-B01	021-B01	021-B02	021-B02	021-B03	021-B03	021-B04	021-B05	021-B05	021-T01	021-T01	021-T02	021-T02	021-T03	021-T03	021-T06	021-UST	042-B09	042-B09
SAMPLING DATE	CAS	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	09-Sep-98	10-Sep-98	10-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	17-Sep-98	17-Sep-98	01-Sep-98	01-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	20.0-22.0	39.0-41.0	6.0-8.0	0.0-2.0	14.0-16.0	1.0-2.0	8.0-10.0	1.0-2.0	8.0-10.0	1.0-2.0	8.0-10.0	4.0-5.0	0.0	4.0-6.0	14.0-16.0
VOCs (mg/Kg)																				
1,2,4-Trichlorobenzene	120-82-1	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.07)	-
2-Butanone	78-93-3	0.51	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.07)	-
Acetone	67-64-1	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	0.37	0.24	ND (0.07)	-
Benzene	71-43-2	ND (0.13)	ND (0.10)	ND (0.08)	ND (0.10)	ND (0.10)	ND (0.10)	ND(0.095)	ND (0.08)	ND (0.07)	ND (0.08)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.08)	ND (0.10)	ND (0.14)	ND (0.09)	ND (0.03)	*ND (0.13)*
Chlorobenzene	108-90-7	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.03)	-
Chloroform	67-66-3	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.03)	-
Chloromethane	74-87-3	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	0.21	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.07)	-
Ethylbenzene	100-41-4	ND (0.13)	ND (0.10)	ND (0.08)	ND (0.10)	ND (0.10)	ND (0.10)	ND(0.095)	ND (0.08)	ND (0.07)	ND (0.08)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.08)	ND (0.10)	ND (0.14)	0.27	ND (0.03)	*ND (0.13)*
Methyl tert-butyl ether	1634-04-4	ND (0.13)	ND (0.31)	ND (0.23)	ND (0.10)	ND (0.10)	ND (0.31)	ND(0.095)	ND (0.24)	ND (0.07)	ND (0.08)	ND (0.36)	ND (0.10)	ND (0.34)	ND (0.08)	ND (0.30)	ND (0.14)	ND (0.09)	ND (0.03)	*ND (0.13)*
Methylene chloride	75-09-2	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.03)	-
Naphthalene	91-20-3	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.03)	-
Styrene	100-42-5	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND(0.095)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.07)	-
Tetrachloroethylene	127-18-4	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	0.99	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.03)	-
Toluene	108-88-3	ND (0.13)	ND (0.31)	ND (0.23)	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.10)	ND (0.24)	ND (0.07)	ND (0.08)	ND (0.36)	ND (0.10)	ND (0.34)	ND (0.08)	ND (0.30)	ND (0.14)	ND (0.09)	ND (0.03)	*ND (0.13)*
Trichloroethylene	79-01-6	ND (0.13)	-	-	ND (0.10)	ND (0.10)	-	ND (0.10)	-	ND (0.07)	ND (0.08)	-	ND (0.10)	-	ND (0.08)	-	ND (0.14)	ND (0.09)	ND (0.03)	-
Vinyl chloride	75-01-4	ND (0.03)	-	-	ND (0.02)	ND (0.02)	-	ND (0.02)	-	ND (0.01)	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.03)	ND (0.02)	ND (0.03)	-
Xylenes, mixture	1330-20-7	ND (0.13)	ND (0.41)	ND (0.30)	ND (0.10)	ND (0.10)	ND (0.41)	ND (0.10)	ND (0.33)	ND (0.07)	ND (0.08)	ND (0.48)	ND (0.10)	ND (0.45)	ND (0.08)	ND (0.40)	ND (0.14)	0.3	ND (0.03)	*ND (0.13)*
SVOCs (mg/Kg)																				
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.38)	ND (0.35)	ND (0.30)	ND (0.31)	ND (0.31)	ND (0.34)	0.8	ND (0.33)	ND (0.31)	ND (0.30)	ND (0.33)	ND (0.30)	ND (0.34)	ND (0.29)	ND (0.32)	1.2	11	ND (0.10)	ND (0.15)
Acenaphthene	83-32-9	ND (0.38)	ND (0.35)	ND (0.30)	ND (0.31)	ND (0.31)	ND (0.34)	0.4J	ND (0.33)	ND (0.31)	*0.39*	ND (0.33)	1	ND (0.34)	ND (0.29)	ND (0.32)	6.6	1.3	ND (0.10)	ND (0.15)
Acenaphthylene	208-96-8	ND (0.38)	ND (0.35)	ND (0.30)	ND (0.31)	ND (0.31)	ND (0.34)	ND(0.31)	ND (0.33)	ND (0.31)	ND (0.30)	ND (0.33)	ND (0.30)	ND (0.34)	ND (0.29)	ND (0.32)	ND (0.36)	ND (0.32)	ND (0.10)	ND (0.15)
Anthracene	120-12-7	*0.3*	*0.44*	*0.28*	ND (0.31)	ND (0.31)	ND (0.34)	0.79	ND (0.33)	ND (0.31)	0.81	*0.48*	1.8	ND (0.34)	*0.29*	ND (0.32)	12	0.64	0.24	ND (0.15)
Benzo(a)anthracene	56-55-3	0.79	*0.54*	0.92	ND (0.31)	*0.29*	ND (0.34)	1.2	*0.65*	ND (0.31)	2.2	*0.6*	3	ND (0.34)	0.83	ND (0.32)	20	1.4	1.4	ND (0.15)
Benzo(a)pyrene	50-32-8	1.6	1.4	1.6	ND (0.31)	ND (0.31)	ND (0.34)	1	*0.46*	ND (0.31)	2	*0.49*	2.9	ND (0.34)	0.72	ND (0.32)	13	0.93	1.3	ND (0.15)
Benzo(b)fluoranthene	205-99-2	*0.65*	*0.39*	1.2	ND (0.31)	ND (0.31)	ND (0.34)	1.4	0.77	ND (0.31)	2.4	*0.48*	3.6	ND (0.34)	0.8	ND (0.32)	17	0.96	0.75	ND (0.15)
Benzo(g,h,i)perylene	191-24-2	ND (0.38)	ND (0.35)	0.84	ND (0.31)	ND (0.31)	ND (0.34)	0.61J	ND (0.33)	ND (0.31)	ND (0.30)	ND (0.33)	2	ND (0.34)	*0.54*	ND (0.32)	4.9	*0.46*	0.34	ND (0.15)
Benzo(k)fluoranthene	207-08-9	*0.27*	ND (0.35)	*0.4*	ND (0.31)	ND (0.31)	ND (0.34)	0.45J	*0.34*	ND (0.31)	1.1	*0.33*	1.5	ND (0.34)	*0.52*	ND (0.32)	7.8	1	1.1	ND (0.15)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	*0.61*	*0.51*	0.75	ND (0.31)	*0.23*	ND (0.34)	1.3	0.95	ND (0.31)	2.4	0.66	3.2	ND (0.34)	0.81	ND (0.32)	20	2	1.3	0.31
Dibenzo(a,h)anthracene	53-70-3	ND (0.38)	ND (0.35)	ND (0.30)	ND (0.31)	ND (0.31)	ND (0.34)	ND(0.31)	ND (0.33)	ND (0.31)	*0.28*	ND (0.33)	*0.55*	ND (0.34)	ND (0.29)	ND (0.32)	1.6	ND (0.32)	ND (0.10)	ND (0.15)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	1.1	1.2	1.7	*0.34*	*0.29*	ND (0.34)	3.5	1.2	ND (0.31)	5.3	1.5	7.7	ND (0.34)	*1.7*	ND (0.32)	4.4	1.9	2.4	0.32
Fluorene	86-73-7	ND (0.38)	ND (0.35)	ND (0.30)	ND (0.31)	ND (0.31)	ND (0.34)	0.51J	ND (0.33)	ND (0.31)	*0.35*	ND (0.33)	0.68	ND (0.34)	ND (0.29)	ND (0.32)	4.6	1.4	ND (0.10)	ND (0.15)
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.38)	ND (0.35)	0.69	ND (0.31)	ND (0.31)	ND (0.34)	0.56J	ND (0.33)	ND (0.31)	1.1	ND (0.33)	1.5	ND (0.34)	*0.43*	ND (0.32)	4.8	*0.39*	0.39	ND (0.15)
Naphthalene	91-20-3	ND (0.38)	ND (0.35)	ND (0.30)	ND (0.31)	ND (0.31)	ND (0.34)	4.5	ND (0.33)	ND (0.31)	ND (0.30)	*0.27*	*0.48*	ND (0.34)	ND (0.29)	ND (0.32)	1.5	2.8	ND (0.10)	ND (0.15)
Phenanthrene	85-01-8	*0.68*	0.8	1	ND (0.31)	*0.51*	ND (0.34)	3.2	*0.63*	ND (0.31)	3.9	*0.6*	6.7	ND (0.34)	*0.96*	ND (0.32)	50	5	0.2	ND (0.15)
Pyrene	129-00-0	1	1.1	1.7	*0.31*	*0.29*	ND (0.34)	2.4	1.1	ND (0.31)	4.3	1.1	4.7	ND (0.34)	*1.3*	ND (0.32)	42	3.5	2.2	ND (0.15)
METALS (mg/Kg)																				
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	17	11.5	6.7	5.5	2.6	15.4	10	11.3	7.4	12.3	7.1	5.3	9.1	9.5	6.6	-	-	11.8	7.2
Barium	7440-39-3	149	153	45.6	32.7	11.2	149	79.7	80.9	45.9	222	44.3	72.3	60.1	70.2	30.8	-	-	52.8	30.7
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	ND (0.50)	ND (0.42)	ND (0.48)	ND (0.34)	ND (0.27)	0.37	0.18	ND (0.06)	ND (0.07)	0.74	0.2	ND (0.07)	0.29	0.48	ND (0.07)	-	-	0.15	0.075
Chromium	7440-47-3	63.9	63.7	26.8	18.6	11.9	76.5	45	17.8	27.7	30.7	28.8	23.3	41.3	25.7	22.9	-	-	31.3	25
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	*19.4*	*98.6*	*39.8*	*23.1*	*2*	14.1	11	71.6	8.5	472	28.9	20.2	22.6	145	11.9	-	-	40.5	12.1
Mercury	7439-97-6	2.3	0.23	0.11	0.17	ND (0.01)	ND (0.01)	0.039	0.49	0.047	1.1	0.17	0.057	0.074	0.3	0.08	-	-	0.13	0.024
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	ND (1.65)	ND (1.45)	ND (1.30)	ND (1.45)	ND (0.75)	1.6	1.8	4.5	2.8	3.6	2.3	2.2	2.6	2.1	2.3	-	-	ND (0.56)	1.2
Silver	7440-22-4	ND (0.08)	ND (0.08)	ND (0.07)	ND (0.07)	ND (0.06)	ND (0.08)	ND (0.07)	3.5	ND (0.08)	ND (0.07)	ND (0.08)	ND (0.07)	ND (0.08)	ND (0.07)	ND (0.07)	-	-	ND (0.08)	ND (0.08)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		021-B01	021-B01	021-B02	021-B02	021-B03	021-B03	021-B04	021-B05	021-B05	021-T01	021-T01	021-T02	021-T02	021-T03	021-T03	021-T06	021-UST	042-B09	042-B09
SAMPLING DATE	CAS	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	09-Sep-98	10-Sep-98	10-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	17-Sep-98	17-Sep-98	01-Sep-98	01-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	20.0-22.0	39.0-41.0	6.0-8.0	0.0-2.0	14.0-16.0	1.0-2.0	8.0-10.0	1.0-2.0	8.0-10.0	1.0-2.0	8.0-10.0	4.0-5.0	0.0	4.0-6.0	14.0-16.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																				
carbon ranges																				
C5-C8 Aliphatics	NA	ND (2.7)	ND (2.1)	ND (1.5)	ND (1.9)	ND (1.9)	ND (2.1)	ND(2.5)	ND (1.6)	ND (1.3)	ND (1.6)	ND (2.4)	ND (1.7)	ND (2.3)	ND (1.4)	ND (2.0)	ND (2.8)	*7.1*	*ND (1.6)*	*ND (2.6)*
C9-C12 Aliphatics	NA	ND (0.6)	ND (0.4)	ND (0.3)	ND (0.4)	ND (0.4)	ND (0.4)	11.01J	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.5)	ND (0.3)	ND (0.4)	ND (0.3)	ND (0.4)	*7.5*	*28*	*ND (1.6)*	*ND (2.6)*
C9-C10 Aromatics	NA	ND (0.8)	ND (0.6)	ND (0.5)	ND (0.6)	ND (0.6)	ND (0.6)	77	ND (0.5)	ND (0.4)	ND (0.5)	ND (0.7)	ND (0.5)	ND (0.7)	ND (0.4)	ND (0.6)	8.5	*57*	ND (1.6)	*ND (2.6)*
Methyl tert-butyl ether	1634-04-4																			
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																				
carbon ranges																				
C9-C18 Aliphatics	NA	ND (4.6)	ND (4.2)	ND (3.5)	ND (3.7)	ND (3.7)	ND (4.1)	ND (3.7)	ND (4.0)	ND (3.7)	ND (3.6)	ND (3.9)	ND (3.6)	ND (4.1)	ND (3.5)	ND (3.9)	73	750	ND (3.0)	ND (4.4)
C19-C36 Aliphatics	NA	ND (6.0)	ND (5.5)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.8)	ND (5.0)	340	120	ND (4.6)	ND (5.0)	110	220	64	ND (6.0)
C10-C22 Aromatics	NA	54	45	28	ND (10.5)	ND (10.5)	ND (11.5)	32.38	46	ND (10.5)	29	ND (11.0)	130	ND (11.5)	35	ND (11.0)	530	640	20	ND (12.5)
PCBs (mg/Kg)																				
Aroclor 1016	12674-11-2	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-
Aroclor 1242	53469-21-9	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-
Aroclor 1248	12672-29-6	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-
Aroclor 1254	11097-69-1	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-
Aroclor 1260	11096-82-5	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		042-B10	042-B10	042-B10	042-B11	042-B11	042-B12	042-B12	052-B03	052-B03	052-B04	052-B04	052-L1A	052-L1B	053-B06	053-B06	053-B06A	053-B06A	053-B07
SAMPLING DATE	CAS	03-Sep-98	03-Sep-98	03-Sep-98	03-Sep-98	01-Sep-98	01-Sep-98	01-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	17-Sep-98	17-Sep-98	01-Sep-98	01-Sep-98	02-Oct-98	02-Oct-98	02-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-2.0	4.0-6.0	13.0-15.0	4.0-6.0	10.0-12.0	0.00-2.0	14.0-16.0	1.0-3.0	8.0-10.0	4.0-6.0	14.0-16.0	0.66-0.75	0.5-0.58	4.0-6.0	14.0-16.0	6.0-8.0	14.0-16.0	0.0-4.0
VOCs (mg/Kg)																			
1,2,4-Trichlorobenzene	120-82-1	-	ND (0.07)	-	ND (0.13)	-	ND (0.10)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
2-Butanone	78-93-3	-	ND (0.07)	-	ND (0.13)	-	ND (0.10)	-	-	0.27	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Acetone	67-64-1	-	ND (0.07)	-	ND (0.13)	-	ND (0.10)	-	-	ND (0.09)	-	ND (0.09)	0.21	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Benzene	71-43-2	-	ND (0.03)	ND (0.08)	ND (0.05)	ND (0.09)	ND (0.04)	ND (0.10)	ND (0.10)	ND (0.09)	ND (0.07)	ND (0.09)	ND (0.11)	ND (0.09)	ND (0.08)	ND (0.06)	-	-	ND (0.06)
Chlorobenzene	108-90-7	-	ND (0.03)	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Chloroform	67-66-3	-	0.081	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Chloromethane	74-87-3	-	ND (0.07)	-	ND (0.13)	-	ND (0.10)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Ethylbenzene	100-41-4	-	ND (0.03)	ND (0.08)	ND (0.05)	ND (0.09)	ND (0.04)	ND (0.10)	ND (0.10)	ND (0.09)	ND (0.07)	ND (0.09)	ND (0.11)	ND (0.09)	ND (0.08)	ND (0.06)	-	-	ND (0.06)
Methyl tert-butyl ether	1634-04-4	-	ND (0.03)	ND (0.08)	ND (0.05)	ND (0.09)	ND (0.04)	ND (0.10)	ND (0.29)	ND (0.09)	ND (0.21)	ND (0.09)	ND (0.11)	ND (0.09)	ND (0.22)	ND (0.06)	-	-	ND (0.06)
Methylene chloride	75-09-2	-	ND (0.07)	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Naphthalene	91-20-3	-	ND (0.03)	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Styrene	100-42-5	-	ND (0.07)	-	ND (0.13)	-	ND (0.10)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Tetrachloroethylene	127-18-4	-	ND (0.03)	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Toluene	108-88-3	-	ND (0.03)	ND (0.08)	ND (0.05)	ND (0.09)	ND (0.04)	ND (0.10)	ND (0.29)	ND (0.09)	ND (0.21)	ND (0.09)	ND (0.11)	ND (0.09)	ND (0.22)	ND (0.06)	-	-	ND (0.06)
Trichloroethylene	79-01-6	-	ND (0.03)	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.09)	-	ND (0.09)	ND (0.11)	ND (0.09)	-	ND (0.06)	-	-	ND (0.06)
Vinyl chloride	75-01-4	-	ND (0.03)	-	ND (0.05)	-	ND (0.04)	-	-	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.01)	-	-	ND (0.01)
Xylenes, mixture	1330-20-7	-	ND (0.03)	ND (0.08)	ND (0.05)	ND (0.09)	ND (0.04)	ND (0.10)	ND (0.39)	ND (0.09)	ND (0.28)	ND (0.09)	1.2	ND (0.09)	ND (0.30)	ND (0.06)	-	-	ND (0.06)
SVOCs (mg/Kg)																			
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	-	ND (0.50)	0.24	ND (0.11)	*0.52*	ND (0.09)	*ND (0.11)*	*0.58*	*0.35*	ND (0.30)	*0.49*	2	ND (0.29)	-	-	ND (0.27)	1.8	*0.82*
Acenaphthene	83-32-9	-	3.7	0.36	ND (0.11)	*0.9*	ND (0.09)	*ND (0.11)*	1.8	4.2	ND (0.30)	0.89	*0.36*	ND (0.29)	-	-	ND (0.27)	0.89	*9.3*
Acenaphthylene	208-96-8	-	3.7	ND (0.09)	ND (0.11)	-	ND (0.09)	*ND (0.11)*	ND (0.33)	0.73	ND (0.30)	ND (0.34)	ND (0.29)	ND (0.29)	-	-	ND (0.27)	0.96	*1.5*
Anthracene	120-12-7	-	36	0.45	0.61	*1.2*	0.44	*ND (0.11)*	4.2	16	0.95	0.96	0.3	ND (0.29)	-	-	ND (0.27)	3.3	*35*
Benzo(a)anthracene	56-55-3	-	30	0.64	3	*1.6*	1.2	*ND (0.11)*	9.7	16	3.9	1.6	ND (0.29)	ND (0.29)	-	-	ND (0.27)	2.5	*39*
Benzo(a)pyrene	50-32-8	-	28	0.58	3	*1.1*	1.1	*ND (0.11)*	7.1	8.4	*3.5*	2.1	ND (0.29)	ND (0.29)	-	-	ND (0.27)	1.6	*22*
Benzo(b)fluoranthene	205-99-2	-	33	0.51	2.5	*0.74*	1.2	*ND (0.11)*	9.3	13	*3.5*	1.3	ND (0.29)	ND (0.29)	-	-	ND (0.27)	1.8	*25*
Benzo(g,h,i)perylene	191-24-2	-	*6.1*	*ND (0.09)*	0.45	*0.51*	0.35	*ND (0.11)*	3.9	3.1	1.3	*0.57*	ND (0.29)	ND (0.29)	-	-	ND (0.27)	*0.55*	*7.4*
Benzo(k)fluoranthene	207-08-9	-	14	0.43	2.6	*0.85*	0.82	*ND (0.11)*	4	11	1.3	*0.43*	ND (0.29)	ND (0.29)	-	-	ND (0.27)	0.79	*9.8*
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	-	23	0.64	2.9	*1.4*	1.3	*ND (0.11)*	8.4	12	2.9	1.5	ND (0.29)	ND (0.29)	-	-	ND (0.27)	2.3	*34*
Dibenzo(a,h)anthracene	53-70-3	-	*ND (0.50)*	*ND (0.09)*	ND (0.11)	-	ND (0.09)	*ND (0.11)*	1.2	1.7	ND (0.30)	ND (0.34)	ND (0.29)	ND (0.29)	-	-	ND (0.27)	*0.29*	*2.5*
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	-	88	1.2	5.2	*3.6*	2.3	*ND (0.11)*	15	21	5.5	3	*0.27*	ND (0.29)	-	-	ND (0.27)	4	*92*
Fluorene	86-73-7	-	ND (0.50)	0.35	ND (0.11)	*0.88*	0.21	*ND (0.11)*	1.7	*0.59*	ND (0.30)	0.79	*0.47*	ND (0.29)	-	-	ND (0.27)	2.1	*3.8*
Indeno(1,2,3-cd)pyrene	193-39-5	-	*6.4*	*ND (0.09)*	0.58	*0.55*	0.41	*ND (0.11)*	3.6	3.2	*1.2*	0.53	ND (0.29)	ND (0.29)	-	-	ND (0.27)	*0.49*	*7.8*
Naphthalene	91-20-3	-	1.6	0.79	0.23	*1.3*	0.32	*ND (0.11)*	0.91	*0.53*	ND (0.30)	2	*0.32*	ND (0.29)	-	-	ND (0.27)	1.6	*2.9*
Phenanthrene	85-01-8	-	92	1.5	0.61	*4.4*	1.8	*ND (0.11)*	12	12	*0.38*	1.9	1.3	ND (0.29)	-	-	ND (0.27)	8.3	*82*
Pyrene	129-00-0	-	71	0.87	4	*3.2*	1.8	*ND (0.11)*	16	21	5.5	2.6	*0.5*	ND (0.29)	-	-	*0.24*	5.2	*59*
METALS (mg/Kg)																			
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arsenic	7440-38-2	11.5	-	10.8	9.6	7.1	7.1	6.5	7.7	8.6	8.1	9.5	4.1	5.4	12.5	7.3	-	-	8.4
Barium	7440-39-3	439	-	55.7	40.1	46	54.1	27.7	97.6	19.3	35.1	52.1	27.5	44.1	74.8	36.2	-	-	31.2
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	0.53	-	0.3	ND (0.07)	ND (0.08)	0.37	ND (0.07)	ND (0.19)	ND (0.07)	ND (0.06)	ND (0.08)	0.31	0.49	ND (0.07)	0.16	-	-	0.19
Chromium	7440-47-3	21	-	31.5	18.9	19.3	23.7	15.8	16.3	16	22.7	39.3	11.2	13.5	36.3	24.1	-	-	20.4
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	6320	-	145	93.8	123	97.9	22.2	*475*	*28.9*	*25.9*	*6.6*	29.9	53.2	11.9	14	-	-	*56.4*
Mercury	7439-97-6	0.74	-	0.47	0.42	0.16	0.27	0.24	0.17	0.057	0.077	ND (0.01)	0.079	0.078	0.025	0.024	-	-	0.21
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	4.1	-	2.2	1.4	ND (0.56)	1.3	ND (0.50)	ND (0.85)	ND (0.60)	ND (0.65)	ND (0.58)	1.8	1.5	ND (0.54)	ND (0.56)	-	-	2.1
Silver	7440-22-4	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.08)	ND (0.07)	ND (0.07)	ND (0.08)	ND (0.08)	ND (0.06)	ND (0.08)	ND (0.06)	ND (0.07)	ND (0.08)	ND (0.08)	-	-	ND (0.07)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		042-B10	042-B10	042-B10	042-B11	042-B11	042-B12	042-B12	052-B03	052-B03	052-B04	052-B04	052-L1A	052-L1B	053-B06	053-B06	053-B06A	053-B06A	053-B07
SAMPLING DATE	CAS	03-Sep-98	03-Sep-98	03-Sep-98	03-Sep-98	01-Sep-98	01-Sep-98	01-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	17-Sep-98	17-Sep-98	01-Sep-98	01-Sep-98	02-Oct-98	02-Oct-98	02-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-2.0	4.0-6.0	13.0-15.0	4.0-6.0	10.0-12.0	0.00-2.0	14.0-16.0	1.0-3.0	8.0-10.0	4.0-6.0	14.0-16.0	0.66-0.75	0.5-0.58	4.0-6.0	14.0-16.0	6.0-8.0	14.0-16.0	0.0-4.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																			
carbon ranges																			
C5-C8 Aliphatics	NA	-	ND (2.6)	ND (1.7)	ND (2.2)	ND (1.7)	ND (2.6)	ND (2.0)	ND (2.0)	ND (1.7)	*ND (1.4)*	ND (1.9)	-	ND (1.7)	ND (1.5)	ND (1.2)	-	-	ND (1.2)
C9-C12 Aliphatics	NA	-	2.7	ND (1.7)	ND (2.2)	ND (1.7)	ND (2.6)	ND (2.0)	ND (0.4)	3.8	*ND (0.28)*	ND (0.4)	*74*	ND (0.3)	ND (0.3)	1.3	-	-	*2*
C9-C10 Aromatics	NA	-	ND (2.6)	ND (1.7)	ND (2.2)	ND (1.7)	ND (2.6)	ND (2.0)	ND (0.6)	*2.9*	*1.4*	ND (0.6)	*85*	ND (0.5)	ND (0.4)	1.5	-	-	1.5
Methyl tert-butyl ether	1634-04-4																		
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																			
carbon ranges																			
C9-C18 Aliphatics	NA	-	*ND (3.0)*	*ND (4.2)*	ND (3.2)	63	ND (3.2)	ND (3.5)	10	12	ND (3.6)	ND (4.0)	810	ND (3.4)	-	-	ND (4)	ND (4.3)	*25*
C19-C36 Aliphatics	NA	-	*ND (4.0)*	*ND (5.5)*	240	22	100	ND (4.7)	36	ND (5)	ND (4.8)	ND (5.5)	230	ND (4.6)	-	-	ND (5)	ND (5.5)	*18*
C10-C22 Aromatics	NA	-	*650*	*36*	40	*48*	66	ND (10.0)	120	340	*70*	27	340	ND (9.5)	-	-	ND (11)	300	*570*
PCBs (mg/Kg)																			
Aroclor 1016	12674-11-2	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-	-
Aroclor 1242	53469-21-9	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-	-
Aroclor 1248	12672-29-6	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-	-
Aroclor 1254	11097-69-1	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-	-
Aroclor 1260	11096-82-5	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		053-B07 (D)	053-B07	071-B01	071-B01	071-B01A	071-B01A	071-B02	071-B02	071-B02A	071-B02A	072-B01	072-B01	072-B02	072-B02	073-B01	073-B01	073-B01	073-B01A	073-B01A
SAMPLING DATE	CAS	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	02-Oct-98	02-Oct-98	03-Sep-98	03-Sep-98	05-Oct-98	05-Oct-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	03-Sep-98	05-Oct-98	05-Oct-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-4.0	8.0-10.0	0.0-4.0	8.0-10.0	0.0-2.0	8.0-10.0	4.0-6.0	14.0-16.0	4.0-6.0	14.0-16.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0	2.0-6.0	8.0-10.0	14.0-16.0	2.0-4.0	8.0-10.0
VOCs (mg/Kg)																				
1,2,4-Trichlorobenzene	120-82-1	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
2-Butanone	78-93-3	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Acetone	67-64-1	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Benzene	71-43-2	ND (0.06)	ND (0.06)	ND (0.07)	ND (0.08)	-	-	ND (0.13)	ND (0.08)	-	-	ND (0.08)	ND (0.08)	ND (0.07)	ND (0.08)	ND (0.07)	ND (0.08)	-	-	-
Chlorobenzene	108-90-7	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Chloroform	67-66-3	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Chloromethane	74-87-3	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Ethylbenzene	100-41-4	ND (0.06)	ND (0.06)	ND (0.07)	ND (0.08)	-	-	ND (0.13)	ND (0.08)	-	-	ND (0.08)	ND (0.08)	ND (0.07)	ND (0.08)	ND (0.07)	ND (0.08)	-	-	-
Methyl tert-butyl ether	1634-04-4	ND (0.06)	ND (0.18)	ND (0.07)	ND (0.23)	-	-	ND (0.38)	ND (0.08)	-	-	ND (0.08)	ND (0.25)	ND (0.07)	ND (0.24)	ND (0.21)	ND (0.08)	-	-	-
Methylene chloride	75-09-2	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Naphthalene	91-20-3	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Styrene	100-42-5	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Tetrachloroethylene	127-18-4	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Toluene	108-88-3	ND (0.06)	ND (0.18)	ND (0.07)	ND (0.23)	-	-	ND (0.38)	ND (0.08)	-	-	ND (0.08)	ND (0.25)	ND (0.07)	ND (0.24)	ND (0.21)	ND (0.08)	-	-	-
Trichloroethylene	79-01-6	ND (0.06)	-	ND (0.07)	-	-	-	-	ND (0.08)	-	-	ND (0.08)	-	ND (0.07)	-	-	ND (0.08)	-	-	-
Vinyl chloride	75-01-4	ND (0.01)	-	ND (0.01)	-	-	-	-	ND (0.02)	-	-	ND (0.02)	-	ND (0.01)	-	-	ND (0.02)	-	-	-
Xylenes, mixture	1330-20-7	ND (0.06)	ND (0.24)	ND (0.07)	ND (0.31)	-	-	ND (0.50)	ND (0.08)	-	-	ND (0.08)	ND (0.33)	ND (0.07)	ND (0.32)	ND (0.28)	ND (0.08)	-	-	-
SVOCs (mg/Kg)																				
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	1	ND (0.30)	-	-	0.27	ND (0.32)	-	-	*	ND (0.34)	ND (0.31)	ND (0.33)	ND (0.32)	ND (0.30)	-	-	-	ND (0.35)	ND (0.31)
Acenaphthene	83-32-9	2	2	-	-	ND (0.27)	ND (0.32)	-	-	ND (0.55)	1.1	0.61	ND (0.33)	0.37	0.28	-	-	-	0.73	ND (0.31)
Acenaphthylene	208-96-8	0.36	0.72	-	-	ND (0.27)	ND (0.32)	-	-	0.78	ND (0.34)	ND (0.31)	ND (0.33)	ND (0.32)	ND (0.30)	-	-	-	ND (0.35)	ND (0.31)
Anthracene	120-12-7	7.7	9.1	-	-	ND (0.27)	ND (0.32)	-	-	5.6	2.4	1	ND (0.33)	0.96	0.78	-	-	-	1.4	ND (0.31)
Benzo(a)anthracene	56-55-3	7.1	7.1	-	-	0.32	ND (0.32)	-	-	24	2.6	2.7	ND (0.33)	2.6	1.9	-	-	-	4.4	1
Benzo(a)pyrene	50-32-8	4.9	4.4	-	-	0.42	ND (0.32)	-	-	22	2.4	2.3	1	2.9	2.2	-	-	-	4.1	0.99
Benzo(b)fluoranthene	205-99-2	7.1	5.9	-	-	0.49	ND (0.32)	-	-	20	2.7	2.4	ND (0.33)	3.7	2.3	-	-	-	6	1.6
Benzo(g,h,i)perylene	191-24-2	1.3	1.4	-	-	0.42	ND (0.32)	-	-	9	0.99	0.58	ND (0.33)	1.2	0.62	-	-	-	2.2	0.69
Benzo(k)fluoranthene	207-08-9	1.8	1.7	-	-	0.28	ND (0.32)	-	-	14	1.2	ND (0.31)	ND (0.33)	0.49	0.66	-	-	-	2.2	0.67
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	6.1	5.8	-	-	0.47	ND (0.32)	-	-	22	2.5	1.8	ND (0.33)	2.7	1.9	-	-	-	4.8	1.5
Dibenzo(a,h)anthracene	53-70-3	0.52	0.52	-	-	ND (0.27)	ND (0.32)	-	-	2.8	ND (0.34)	ND (0.31)	ND (0.33)	0.34	ND (0.30)	-	-	-	ND (0.35)	ND (0.31)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	14	13	-	-	0.58	ND (0.32)	-	-	28	5.5	4.7	ND (0.33)	5.8	3.7	-	-	-	8.1	1.7
Fluorene	86-73-7	0.99	0.39	-	-	ND (0.27)	ND (0.32)	-	-	0.54	1.1	0.48	ND (0.33)	0.33	0.35	-	-	-	0.54	ND (0.31)
Indeno(1,2,3-cd)pyrene	193-39-5	1.4	1.4	-	-	0.33	ND (0.32)	-	-	8.4	0.87	0.56	ND (0.33)	1.1	0.59	-	-	-	1.8	0.53
Naphthalene	91-20-3	0.48	0.39	-	-	ND (0.27)	ND (0.32)	-	-	0.74	0.36	ND (0.31)	ND (0.33)	0.32	0.35	-	-	-	0.81	ND (0.31)
Phenanthrene	85-01-8	12	13	-	-	0.67	ND (0.32)	-	-	7.5	7.2	0.56	ND (0.33)	3.1	2.3	-	-	-	7.9	1.2
Pyrene	129-00-0	13	14	-	-	0.76	ND (0.32)			37	6.8	4	ND (0.33)	4.8	3.3	-	-	-	9.6	2.1
METALS (mg/Kg)																				
Antimony	7440-36-0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	16.6	7.4	7.7	7.9	-	-	4.8	6.6	-	-	6.2	8.2	12.8	8.1	10	-	6.3	-	-
Barium	7440-39-3	387	39.4	76.1	31.7	-	-	98.4	55.6	-	-	45.3	67.7	106	42.6	119	-	70.5	-	-
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	0.47	0.2	0.45	ND (0.08)	-	-	0.22	ND (0.07)	-	-	0.28	0.32	1.1	0.29	0.61	-	0.25	-	-
Chromium	7440-47-3	38.2	20.6	33.3	18.2	-	-	21.8	29.2	-	-	39.1	39.8	20.2	28.2	21.4	-	43.2	-	-
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	716	39	270	34.3	-	-	138	27.5	-	-	124	18.7	454	49.2	541	-	9.5	-	-
Mercury	7439-97-6	0.32	0.07	1.1	0.21	-	-	0.88	0.13	-	-	0.1	0.038	2.4	0.26	0.28	-	ND (0.01)	-	-
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	4	2.3	2.8	1.9	-	-	1.9	1.8	-	-	2	2.4	2.9	2.5	2.1	-	2.1	-	-
Silver	7440-22-4	ND (0.08)	ND (0.07)	ND (0.09)	ND (0.08)	-	-	ND (0.07)	ND (0.08)	-	-	ND (0.08)	ND (0.08)	ND (0.07)	ND (0.07)	1.8	-	ND (0.07)	-	-
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		053-B07 (D)	053-B07	071-B01	071-B01	071-B01A	071-B01A	071-B02	071-B02	071-B02A	071-B02A	072-B01	072-B01	072-B02	072-B02	073-B01	073-B01	073-B01	073-B01A	073-B01A
SAMPLING DATE	CAS	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	02-Oct-98	02-Oct-98	03-Sep-98	03-Sep-98	05-Oct-98	05-Oct-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	03-Sep-98	05-Oct-98	05-Oct-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-4.0	8.0-10.0	0.0-4.0	8.0-10.0	0.0-2.0	8.0-10.0	4.0-6.0	14.0-16.0	4.0-6.0	14.0-16.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0	2.0-6.0	8.0-10.0	14.0-16.0	2.0-4.0	8.0-10.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																				
carbon ranges																				
C5-C8 Aliphatics	NA	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.6)	-	-	ND (1.4)	ND (1.6)	-	-	ND (1.5)	ND (1.7)	ND (2.5)	ND (1.6)	ND (1.4)	ND (1.4)	-	-	-
C9-C12 Aliphatics	NA	*ND (0.2)*	*3.6*	*1.2*	ND (0.3)	-	-	ND (0.3)	ND (0.3)	-	-	ND (0.3)	ND (0.3)	ND (0.5)	ND (0.3)	ND (0.3)	ND (0.3)	-	-	-
C9-C10 Aromatics	NA	*1.5*	*2.6*	*1.5*	1.1	-	-	ND (0.4)	ND (0.5)	-	-	ND (0.4)	ND (0.5)	ND (0.8)	ND (0.5)	ND (0.4)	ND (0.4)	-	-	-
Methyl tert-butyl ether	1634-04-4																			
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																				
carbon ranges																				
C9-C18 Aliphatics	NA	*ND (4.0)*	8.7	-	-	*21*	ND (3.9)	-	-	*ND (6.5)*	ND (4.1)	ND (3.7)	ND (4.0)	ND (3.8)	ND (3.6)	-	-	-	ND (4.2)	ND (3.7)
C19-C36 Aliphatics	NA	*ND (5.5)*	15	-	-	1200	ND (5.0)	-	-	*ND (8.5)*	ND (5.5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.8)	-	-	-	ND (5.5)	130
C10-C22 Aromatics	NA	*140*	170	-	-	260	ND (11.0)	-	-	*460*	110	65	ND (11.0)	60	37	-	-	-	160	110
PCBs (mg/Kg)																				
Aroclor 1016	12674-11-2	-	-	-	-	-	-	ND (0.02)	-	-	-	-	-	0.19	-	-	-	-	-	-
Aroclor 1242	53469-21-9	-	-	-	-	-	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	-	-	-	-
Aroclor 1248	12672-29-6	-	-	-	-	-	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	-	-	-	-
Aroclor 1254	11097-69-1	-	-	-	-	-	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	-	-	-	-
Aroclor 1260	11096-82-5	-	-	-	-	-	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		073-B02	073-B02	073-B02	073-B02A	073-B02A	081-B01	081-B01	081-B02	081-B02	081-B02A	081-T01	081-T01	081-T02	081-T02	081-T02 (D)	082-B01	082-B01	083-B01	083-B01
SAMPLING DATE	CAS	03-Sep-98	03-Sep-98	03-Sep-98	05-Oct-98	05-Oct-98	02-Sep-98	02-Sep-98	04-Sep-98	04-Sep-98	02-Nov-98	10-Sep-98	10-Sep-98	10-Sep-98	10-Sep-98	10-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-2.0	2.0-4.0	8.0-10.0	0.0-2.0	8.0-10.0	0.0-2.0	10.0-12.0	2.0-4.0	8.0-10.0	8.0-10.0	1.0-2.0	2.0-3.0	1.0-2.0	3.0-4.0	3.0-4.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0
VOCs (mg/Kg)																				
1,2,4-Trichlorobenzene	120-82-1	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
2-Butanone	78-93-3	-	-	ND (0.08)	-	-	-	ND (0.13)	ND (0.15)	-	-	ND (0.10)	ND (0.09)	ND (0.10)	ND (0.14)	ND (0.29)	ND (0.17)	-	-	ND (0.16)
Acetone	67-64-1	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Benzene	71-43-2	ND (0.06)	-	ND (0.08)	-	-	ND (0.08)	0.065	ND (0.15)	-	ND (0.22)	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	ND (0.11)	0.17	ND (0.09)
Chlorobenzene	108-90-7	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Chloroform	67-66-3	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Chloromethane	74-87-3	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Ethylbenzene	100-41-4	ND (0.06)	-	ND (0.08)	-	-	ND (0.08)	ND (0.08)	ND (0.15)	-	ND (0.22)	0.022	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.07)	ND (0.09)
Methyl tert-butyl ether	1634-04-4	ND (0.19)	-	ND (0.08)	-	-	ND (0.08)	ND (0.08)	ND (0.15)	-	ND (0.22)	ND (0.06)	ND (0.05)	0.068	ND (0.11)	ND (0.16)	ND (0.11)	ND (0.11)	ND (0.07)	ND (0.09)
Methylene chloride	75-09-2	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Naphthalene	91-20-3	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Styrene	100-42-5	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Tetrachloroethylene	127-18-4	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Toluene	108-88-3	ND (0.19)	-	ND (0.08)	-	-	ND (0.22)	0.1	ND (0.15)	-	ND (0.22)	0.043	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	ND (0.31)	ND (0.22)	ND (0.09)
Trichloroethylene	79-01-6	-	-	ND (0.08)	-	-	-	ND (0.08)	ND (0.15)	-	-	ND (0.06)	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	-	-	ND (0.09)
Vinyl chloride	75-01-4	-	-	ND (0.02)	-	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.03)	ND (0.02)	-	-	ND (0.02)
Xylenes, mixture	1330-20-7	ND (0.25)	-	ND (0.08)	-	-	ND (0.08)	0.082	ND (0.15)	-	ND (0.22)	0.25	ND (0.05)	ND (0.05)	ND (0.11)	ND (0.16)	ND (0.11)	ND (0.21)	ND (0.14)	ND (0.09)
SVOCs (mg/Kg)																				
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	-	-	-	0.68	ND (0.38)	0.23	ND (0.30)	ND (0.31)	ND (0.38)	-	ND (0.29)	ND (0.30)	0.24	ND (0.44)	0.57	ND (0.34)	ND (0.32)	ND (0.26)	ND (0.31)
Acenaphthene	83-32-9	-	-	-	1.8	ND (0.38)	ND (0.27)	ND (0.30)	ND (0.31)	ND (0.38)	-	ND (0.29)	ND (0.30)	0.72	ND (0.44)	0.21	ND (0.34)	ND (0.32)	ND (0.26)	ND (0.31)
Acenaphthylene	208-96-8	-	-	-	ND (0.31)	ND (0.38)	ND (0.27)	ND (0.30)	ND (0.31)	ND (0.38)	-	ND (0.29)	ND (0.30)	ND (0.32)	ND (0.44)	ND (0.41)	ND (0.34)	ND (0.32)	ND (0.26)	ND (0.31)
Anthracene	120-12-7	-	-	-	3.6	0.35	0.25	ND (0.30)	ND (0.31)	0.16	-	ND (0.29)	ND (0.30)	2.1	ND (0.44)	0.25	0.44	ND (0.32)	ND (0.26)	ND (0.31)
Benzo(a)anthracene	56-55-3	-	-	-	5.8	0.48	0.11	0.22	0.12	0.23	-	0.21	0.25	4.6	ND (0.44)	0.44	0.7	ND (0.32)	0.14	ND (0.31)
Benzo(a)pyrene	50-32-8	-	-	-	5.3	0.42	ND (0.27)	0.13	ND (0.31)	0.19	-	0.21	0.28	4.5	ND (0.44)	0.4	0.42	ND (0.32)	ND (0.26)	ND (0.31)
Benzo(b)fluoranthene	205-99-2	-	-	-	6.2	0.44	0.12	0.13	ND (0.31)	0.14	-	0.22	0.24	4.8	ND (0.44)	0.31	0.42	ND (0.32)	0.13	ND (0.31)
Benzo(g,h,i)perylene	191-24-2	-	-	-	2.7	ND (0.38)	0.11	ND (0.30)	ND (0.31)	ND (0.38)	-	0.15	0.17	2.3	ND (0.44)	0.18	0.28	ND (0.32)	0.095	ND (0.31)
Benzo(k)fluoranthene	207-08-9	-	-	-	3.4	ND (0.38)	0.11	0.18	ND (0.31)	0.17	-	0.23	0.28	2.9	ND (0.44)	0.39	0.53	ND (0.32)	0.13	ND (0.31)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	-	-	-	6.5	0.57	0.17	0.23	0.12	0.23	-	0.27	0.3	4.8	0.16	0.51	0.66	ND (0.32)	0.19	ND (0.31)
Dibenzo(a,h)anthracene	53-70-3	-	-	-	0.77	ND (0.38)	ND (0.27)	ND (0.30)	ND (0.31)	ND (0.38)	-	ND (0.29)	ND (0.30)	0.87	ND (0.44)	ND (0.41)	ND (0.34)	ND (0.32)	ND (0.26)	ND (0.31)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	-	-	-	11	0.83	0.21	0.57	0.16	0.52	-	0.47	0.43	8.9	0.29	0.99	1.5	ND (0.32)	0.27	ND (0.31)
Fluorene	86-73-7	-	-	-	1.6	ND (0.38)	ND (0.27)	ND (0.30)	ND (0.31)	ND (0.38)	-	ND (0.29)	ND (0.30)	0.61	ND (0.44)	ND (0.41)	ND (0.34)	ND (0.32)	ND (0.26)	ND (0.31)
Indeno(1,2,3-cd)pyrene	193-39-5	-	-	-	2.4	ND (0.38)	ND (0.27)	ND (0.30)	ND (0.31)	ND (0.38)	-	0.14	0.18	2.5	ND (0.44)	0.19	0.3	ND (0.32)	ND (0.26)	ND (0.31)
Naphthalene	91-20-3	-	-	-	1.5	ND (0.38)	0.11	ND (0.30)	ND (0.31)	1.1	-	ND (0.29)	ND (0.30)	0.22	ND (0.44)	0.65	0.26	ND (0.32)	ND (0.26)	ND (0.31)
Phenanthrene	85-01-8	-	-	-	14	1.2	0.24	ND (0.30)	ND (0.31)	0.42	-	0.34	0.25	5.1	0.17	0.69	0.7	ND (0.32)	0.22	ND (0.31)
Pyrene	129-00-0	-	-	-	14	0.95	0.2	0.47	0.16	0.48	-	0.44	0.44	7.6	0.29	0.96	1.3	ND (0.32)	0.27	ND (0.31)
METALS (mg/Kg)																				
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	-	4.7	11.9	-	-	19.3	9.8	67	8.5	-	4.3	8.6	23.7	26.6	39	12.6	6.7	7.8	7.7
Barium	7440-39-3	-	40	89	-	-	32	51.3	574	39.7	-	42.8	59.1	314	314	377	48.4	26.9	60.7	24.7
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	-	0.22	0.38	-	-	ND (0.06)	0.23	2.7	0.2	-	0.62	0.19	0.58	0.45	0.64	0.18	0.16	0.28	ND (0.07)
Chromium	7440-47-3	-	22.1	42.4	-	-	6.9	33	190	29.6	-	6.7	18.6	19.3	28.2	26.7	30.6	19.8	17.9	19.9
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	-	45.3	122	-	-	25.1	12.7	10300	45	-	59.8	90.5	176	946	1590	60.9	7.8	79.5	5
Mercury	7439-97-6	-	0.41	1.6	-	-	0.1	0.027	1.4	0.2	-	0.12	0.39	0.22	1.2	1.8	0.45	ND (0.01)	0.11	0.028
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	-	1.3	2.2	-	-	1.5	2.2	11.4	2.5	-	0.99	1.2	2.9	2.6	4.5	1.4	1.5	2	ND (1.11)
Silver	7440-22-4	-	ND (0.08)	ND (0.08)	-	-	ND (0.07)	ND (0.08)	ND (0.40)	ND (0.08)	-	ND (0.07)	ND (0.06)	ND (0.07)	ND (0.08)	ND (0.11)	ND (0.09)	ND (0.08)	ND (0.06)	ND (0.08)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		073-B02	073-B02	073-B02	073-B02A	073-B02A	081-B01	081-B01	081-B02	081-B02	081-B02A	081-T01	081-T01	081-T02	081-T02	081-T02 (D)	082-B01	082-B01	083-B01	083-B01
SAMPLING DATE	CAS	03-Sep-98	03-Sep-98	03-Sep-98	05-Oct-98	05-Oct-98	02-Sep-98	02-Sep-98	04-Sep-98	04-Sep-98	02-Nov-98	10-Sep-98	10-Sep-98	10-Sep-98	10-Sep-98	10-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-2.0	2.0-4.0	8.0-10.0	0.0-2.0	8.0-10.0	0.0-2.0	10.0-12.0	2.0-4.0	8.0-10.0	8.0-10.0	1.0-2.0	2.0-3.0	1.0-2.0	3.0-4.0	3.0-4.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																				
carbon ranges																				
C5-C8 Aliphatics	NA	ND (1.3)	-	ND (1.7)	-	-	ND (5)	ND (8)	ND (12)	-	ND (4.4)	ND (8.5)	ND (15.5)	ND (11.5)	ND (16.0)	ND (15.0)	ND (9.0)	ND (7.0)	ND (5.0)	ND (7.0)
C9-C12 Aliphatics	NA	*2.7*	-	ND (0.3)	-	-	ND (1)	*19*	ND (3)	-	ND (4.4)	ND (2.5)	ND (4.5)	ND (3.3)	ND (4.5)	ND (4.3)	ND (2.5)	ND (2.1)	ND (1.4)	ND (2.0)
C9-C10 Aromatics	NA	1.6	-	1.2	-	-	ND (3)	ND (4)	*ND (7)*	-	ND (4.4)	ND (5.0)	ND (9.0)	ND (6.5)	ND (9.0)	ND (8.5)	ND (5.0)	ND (4.2)	ND (2.9)	ND (4.0)
Methyl tert-butyl ether	1634-04-4																			
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																				
carbon ranges																				
C9-C18 Aliphatics	NA	-	-	-	ND (3.7)	-	*ND (9)*	*ND (10)*	ND (3)	ND (5)	-	ND (8)	ND (8)	ND (12)	ND (14)	ND (7)	*ND (13)*	*ND (13)*	*ND (11)*	*ND (14)*
C19-C36 Aliphatics	NA	-	-	-	47	-	ND (18)	ND (16)	ND (3)	ND (11)	-	37	ND (9)	ND (14)	*ND (12)*	*59*	ND (14)	ND (12)	ND (22)	ND (12)
C10-C22 Aromatics	NA	-	-	-	230	-	*26*	*23*	ND (7)	ND (18)	-	27	21	140	28	29	*44*	*12*	*46*	*19*
PCBs (mg/Kg)																				
Aroclor 1016	12674-11-2	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.01)	-
Aroclor 1242	53469-21-9	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.01)	-
Aroclor 1248	12672-29-6	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.01)	-
Aroclor 1254	11097-69-1	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.01)	-
Aroclor 1260	11096-82-5	-	ND (0.02)	-	-	-	-	-	ND (0.02)	-	-	0.045	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.01)	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		084-B01	084-B01	084-B01A	084-B02	084-B02	084-B02A	084-B02A	085-B01	085-B01	085-B02	085-B02 (D)	085-B02	085-B02A	085-B03	085-B03	085-B03A	085-B03A	085-B04
SAMPLING DATE	CAS	04-Sep-98	04-Sep-98	03-Nov-98	03-Sep-98	03-Sep-98	03-Nov-98	03-Nov-98	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	03-Sep-98	03-Nov-98	03-Sep-98	03-Sep-98	03-Nov-98	03-Nov-98	04-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	2.0-4.0	8.0-10.0	8.0-10.0	4.0-8.0	14.0-16.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0	0.0-2.0	0.0-2.0	8.0-10.0	8.0-10.0	4.0-6.0	18.0-20.0	4.0-6.0	18.0-20.0	0.0-2.0
VOCs (mg/Kg)																			
1,2,4-Trichlorobenzene	120-82-1	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
2-Butanone	78-93-3	ND (0.13)	-	-	-	ND (0.15)	-	-	ND (0.14)	-	ND (0.17)	ND (0.17)	-	-	ND (0.13)	-	-	-	-
Acetone	67-64-1	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Benzene	71-43-2	ND (0.24)	-	ND (0.16)	-	ND (0.09)	ND (0.15)	ND (0.17)	ND (0.07)	ND (0.16)	ND (0.08)	0.038	-	ND (0.15)	ND (0.09)	-	ND (0.16)	ND (0.17)	ND (0.12)
Chlorobenzene	108-90-7	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Chloroform	67-66-3	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Chloromethane	74-87-3	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Ethylbenzene	100-41-4	ND (0.13)	-	ND (0.16)	-	ND (0.09)	ND (0.15)	ND (0.17)	ND (0.07)	ND (0.16)	ND (0.08)	0.038	-	ND (0.15)	ND (0.09)	-	ND (0.16)	ND (0.17)	ND (0.12)
Methyl tert-butyl ether	1634-04-4	ND (0.13)	-	ND (0.16)	-	ND (0.09)	ND (0.15)	ND (0.17)	ND (0.07)	ND (0.16)	ND (0.08)	ND (0.10)	-	ND (0.15)	ND (0.09)	-	ND (0.16)	ND (0.17)	ND (0.12)
Methylene chloride	75-09-2	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Naphthalene	91-20-3	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Styrene	100-42-5	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Tetrachloroethylene	127-18-4	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Toluene	108-88-3	ND (0.13)	-	ND (0.16)	-	ND (0.09)	ND (0.15)	ND (0.17)	0.2	2.3	0.1	0.13	-	ND (0.15)	ND (0.09)	-	ND (0.16)	ND (0.17)	ND (0.35)
Trichloroethylene	79-01-6	ND (0.13)	-	-	-	ND (0.09)	-	-	ND (0.07)	-	ND (0.08)	ND (0.10)	-	-	ND (0.09)	-	-	-	-
Vinyl chloride	75-01-4	ND (0.03)	-	-	-	ND (0.02)	-	-	ND (0.01)	-	ND (0.02)	ND (0.02)	-	-	ND (0.02)	-	-	-	-
Xylenes, mixture	1330-20-7	ND (0.13)	-	ND (0.16)	-	ND (0.09)	ND (0.15)	ND (0.17)	0.048	1	0.161	0.214	-	ND (0.15)	ND (0.09)	-	ND (0.16)	ND (0.17)	ND (0.24)
SVOCs (mg/Kg)																			
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.15	0.15	0.2	0.23	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	2.5
Acenaphthene	83-32-9	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	ND (0.28)	0.39	0.22	0.28	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	11
Acenaphthylene	208-96-8	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	ND (0.28)	0.2	ND (0.25)	ND (0.28)	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	ND (4.45)
Anthracene	120-12-7	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	ND (0.28)	1.7	0.51	0.66	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	28
Benzo(a)anthracene	56-55-3	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.24	2	1.5	1.8	0.22	-	ND (0.31)	ND (0.32)	-	-	61
Benzo(a)pyrene	50-32-8	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.15	1.3	1.3	1.3	0.13	-	ND (0.31)	ND (0.32)	-	-	47
Benzo(b)fluoranthene	205-99-2	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.23	1.1	1.3	1.6	0.2	-	ND (0.31)	ND (0.32)	-	-	58
Benzo(g,h,i)perylene	191-24-2	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.17	0.68	0.84	0.95	0.13	-	ND (0.31)	ND (0.32)	-	-	19
Benzo(k)fluoranthene	207-08-9	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.23	1.5	1.1	1.5	0.21	-	ND (0.31)	ND (0.32)	-	-	37
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.33	2	1.6	2	0.25	-	ND (0.31)	ND (0.32)	-	-	67
Dibenzo(a,h)anthracene	53-70-3	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	ND (0.28)	ND (0.32)	ND (0.25)	0.12	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	4.3
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.58	4.8	3.1	4	0.52	-	ND (0.31)	ND (0.32)	-	-	160
Fluorene	86-73-7	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	ND (0.28)	0.75	0.21	0.29	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	9.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.15	0.82	0.89	1	0.14	-	ND (0.31)	ND (0.32)	-	-	23
Naphthalene	91-20-3	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.11	0.22	0.14	0.17	ND (0.31)	-	ND (0.31)	ND (0.32)	-	-	2.3
Phenanthrene	85-01-8	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.46	4.5	2.2	3.1	0.33	-	ND (0.31)	ND (0.32)	-	-	140
Pyrene	129-00-0	ND (0.30)	ND (0.30)	-	ND (0.31)	ND (0.30)	-	-	0.53	3.7	2.7	3.5	0.45	-	ND (0.31)	ND (0.32)	-	-	130
METALS (mg/Kg)																			
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
Arsenic	7440-38-2	1.9	8	-	6.6	6.9	-	-	8	13.2	3.6	7	22.3	-	10.8	16	-	-	8.5
Barium	7440-39-3	11	58.7	-	58.3	61.6	-	-	75.6	130	87.8	44	94.2	-	55	112	-	-	247
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	ND (0.06)	0.16	-	0.13	0.16	-	-	0.48	0.4	0.32	0.39	0.34	-	0.13	0.28	-	-	3.2
Chromium	7440-47-3	7.2	37.5	-	33.6	36.5	-	-	20.9	33.6	7.7	16.3	56.3	-	36.3	62	-	-	92.7
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	4.8	8.5	-	10	10	-	-	42.1	314	26.8	85.5	12.9	-	8.1	11.1	-	-	526
Mercury	7439-97-6	ND (0.01)	ND (0.01)	-	0.025	0.036	-	-	0.068	1.3	0.061	0.17	ND (0.01)	-	ND (0.01)	ND (0.03)	-	-	0.6
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	ND (0.47)	2.3	-	1.6	1.9	-	-	2.7	2	22	1.7	1	-	1.4	1.9	-	-	2
Silver	7440-22-4	ND (0.07)	ND (0.08)	-	ND (0.07)	ND (0.08)	-	-	ND (0.07)	ND (0.09)	ND (0.07)	ND (0.07)	ND (0.07)	-	ND (0.06)	ND (0.08)	-	-	ND (0.07)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		084-B01	084-B01	084-B01A	084-B02	084-B02	084-B02A	084-B02A	085-B01	085-B01	085-B02	085-B02 (D)	085-B02	085-B02A	085-B03	085-B03	085-B03A	085-B03A	085-B04
SAMPLING DATE	CAS	04-Sep-98	04-Sep-98	03-Nov-98	03-Sep-98	03-Sep-98	03-Nov-98	03-Nov-98	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	03-Sep-98	03-Nov-98	03-Sep-98	03-Sep-98	03-Nov-98	03-Nov-98	04-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	2.0-4.0	8.0-10.0	8.0-10.0	4.0-8.0	14.0-16.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0	0.0-2.0	0.0-2.0	8.0-10.0	8.0-10.0	4.0-6.0	18.0-20.0	4.0-6.0	18.0-20.0	0.0-2.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																			
carbon ranges																			
C5-C8 Aliphatics	NA	*ND (8.0)*	-	ND (3.1)	-	-	ND (2.9)	ND (3.5)	ND (6.0)	ND (11.0)	*ND (7.5)*	ND (7.5)	-	ND (3.0)	-	-	ND (3.1)	ND (3.3)	ND (8.0)
C9-C12 Aliphatics	NA	*ND (2.3)*	-	ND (3.1)	-	-	ND (2.9)	ND (3.5)	ND (1.8)	*19*	*ND (2.2)*	ND (2.2)	-	ND (3.0)	-	-	ND (3.1)	ND (3.3)	ND (2.4)
C9-C10 Aromatics	NA	*ND (4.5)*	-	ND (3.1)	-	-	ND (2.9)	ND (3.5)	ND (3.6)	ND (6.5)	*ND (4.3)*	*ND (4.4)*	-	ND (3.0)	-	-	ND (3.1)	ND (3.3)	ND (4.7)
Methyl tert-butyl ether	1634-04-4																		
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																			
carbon ranges																			
C9-C18 Aliphatics	NA	ND (5)	ND (8)	-	*ND (9)*	*ND (8)*	-	-	*ND (10)*	*ND (11)*	*ND (12)*	*ND (13)*	*ND (8)*	-	*ND (7)*	*ND (8)*	-	-	*ND (7)*
C19-C36 Aliphatics	NA	ND (5)	ND (7)	-	ND (9)	ND (8)	-	-	ND (35)	ND (16)	ND (16)	ND (17)	ND (9)	-	ND (7)	ND (8)	-	-	*51*
C10-C22 Aromatics	NA	ND (5)	ND (7)	-	*ND (5)*	*ND (5)*	-	-	*33*	*94*	*64*	*88*	*19*	-	*11*	*13*	-	-	*72*
PCBs (mg/Kg)																			
Aroclor 1016	12674-11-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)
Aroclor 1242	53469-21-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)
Aroclor 1248	12672-29-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)
Aroclor 1254	11097-69-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
Aroclor 1260	11096-82-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		085-B04	085-B04A	110-B01	110-B01	110-B02	110-B02	121-B01	121-B01	121-B02	121-B02	160-B01	160-B01	181-B01	181-B01	181-B02	181-B02	181-B03
SAMPLING DATE	CAS	04-Sep-98	03-Nov-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	02-Sep-98	02-Sep-98	04-Sep-98	04-Sep-98	09-Sep-98	09-Sep-98	04-Sep-98	04-Sep-98	08-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	10.0-12.0	10.0-12.0	4.0-6.0	14.0-16.0	1.0-3.0	8.0-10.0	1.0-3.0	8.0-10.0	4.0-6.0	14.0-16.0	2.0-4.0	11.0-12.0	2.0-4.0	14.0-16.0	0.0-2.0	8.0-10.0	0.0-2.0
VOCs (mg/Kg)																		
1,2,4-Trichlorobenzene	120-82-1	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.04)	ND (0.09)	-	ND (0.06)
2-Butanone	78-93-3	ND (0.14)	-	-	ND (0.06)	ND (0.07)	-	-	ND (0.08)	ND (0.07)	-	0.21	-	-	ND (0.04)	ND (0.09)	-	ND (0.06)
Acetone	67-64-1	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.04)	ND (0.09)	-	ND (0.06)
Benzene	71-43-2	ND (0.09)	ND (0.16)	ND (0.06)	ND (0.02)	ND (0.03)	ND (0.10)	*ND (0.08)*	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.08)	ND (0.09)	ND (0.11)	ND (0.02)	ND (0.03)	ND (0.14)	ND (0.02)
Chlorobenzene	108-90-7	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Chloroform	67-66-3	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Chloromethane	74-87-3	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.04)	ND (0.09)	-	ND (0.06)
Ethylbenzene	100-41-4	ND (0.09)	ND (0.16)	ND (0.06)	ND (0.02)	ND (0.03)	ND (0.10)	*ND (0.08)*	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.08)	ND (0.09)	ND (0.11)	ND (0.02)	ND (0.03)	ND (0.14)	ND (0.02)
Methyl tert-butyl ether	1634-04-4	ND (0.09)	ND (0.16)	ND (0.06)	ND (0.02)	ND (0.03)	ND (0.10)	*ND (0.08)*	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.08)	ND (0.26)	ND (0.11)	ND (0.02)	ND (0.03)	ND (0.14)	ND (0.02)
Methylene chloride	75-09-2	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Naphthalene	91-20-3	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Styrene	100-42-5	ND (0.09)	-	-	ND (0.06)	ND (0.07)	-	-	ND (0.08)	ND (0.07)	-	ND (0.08)	-	-	ND (0.04)	ND (0.09)	-	ND (0.06)
Tetrachloroethylene	127-18-4	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Toluene	108-88-3	ND (0.09)	ND (0.16)	ND (0.06)	ND (0.02)	ND (0.03)	ND (0.10)	*ND (0.08)*	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.08)	ND (0.26)	ND (0.11)	ND (0.02)	ND (0.03)	ND (0.14)	ND (0.02)
Trichloroethylene	79-01-6	ND (0.09)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.08)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Vinyl chloride	75-01-4	ND (0.02)	-	-	ND (0.02)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.02)	-	-	ND (0.02)	ND (0.03)	-	ND (0.02)
Xylenes, mixture	1330-20-7	ND (0.09)	ND (0.16)	ND (0.06)	ND (0.02)	ND (0.03)	ND (0.10)	*ND (0.08)*	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.08)	ND (0.35)	ND (0.11)	ND (0.02)	ND (0.03)	ND (0.14)	ND (0.02)
SVOCs (mg/Kg)																		
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.32)	-	ND (0.10)	ND (0.10)	ND (0.50)	ND (0.11)	ND (0.19)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	*0.38*	ND (0.11)	*12*
Acenaphthene	83-32-9	ND (0.32)	-	ND (0.10)	ND (0.10)	ND (0.50)	ND (0.11)	ND (0.19)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	*1.5*	ND (0.11)	*23*
Acenaphthylene	208-96-8	ND (0.32)	-	ND (0.10)	ND (0.10)	ND (0.50)	ND (0.11)	ND (0.19)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.11)	*5.5*
Anthracene	120-12-7	ND (0.32)	-	ND (0.10)	ND (0.10)	2	ND (0.11)	0.56	ND (0.10)	ND (0.10)	0.21	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	*1.6*	ND (0.11)	*48*
Benzo(a)anthracene	56-55-3	ND (0.32)	-	ND (0.10)	ND (0.10)	6.5	ND (0.11)	1.9	ND (0.10)	ND (0.10)	0.38	*0.38*	ND (0.33)	0.28	ND (0.10)	*5.1*	ND (0.11)	*50*
Benzo(a)pyrene	50-32-8	ND (0.32)	-	ND (0.10)	ND (0.10)	6.6	ND (0.11)	2	ND (0.10)	ND (0.10)	0.36	1	ND (0.33)	0.25	ND (0.10)	*5.9*	ND (0.11)	*45*
Benzo(b)fluoranthene	205-99-2	ND (0.32)	-	ND (0.10)	ND (0.10)	9.8	ND (0.11)	3.4	ND (0.10)	ND (0.10)	0.32	*0.28*	ND (0.33)	0.3	ND (0.10)	*5.6*	ND (0.11)	*56*
Benzo(g,h,i)perylene	191-24-2	ND (0.32)	-	*ND (0.10)*	*ND (0.10)*	*2.2*	*ND (0.11)*	*0.75*	*ND (0.10)*	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	*ND (0.11)*	*ND (0.10)*	*0.9*	*ND (0.11)*	*11*
Benzo(k)fluoranthene	207-08-9	ND (0.32)	-	ND (0.10)	ND (0.10)	3.5	ND (0.11)	1.2	ND (0.10)	ND (0.10)	0.22	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	*5.3*	ND (0.11)	*23*
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	ND (0.32)	-	ND (0.10)	ND (0.10)	5.1	ND (0.11)	1.8	ND (0.10)	ND (0.10)	0.4	*0.37*	ND (0.33)	ND (0.11)	ND (0.10)	*5.3*	ND (0.11)	*39*
Dibenzo(a,h)anthracene	53-70-3	ND (0.32)	-	*ND (0.10)*	*ND (0.10)*	*ND (0.50)*	*ND (0.11)*	*ND (0.19)*	*ND (0.10)*	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	*ND (0.11)*	*ND (0.10)*	*ND (0.10)*	*ND (0.11)*	*ND (0.95)*
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	ND (0.32)	-	ND (0.10)	ND (0.10)	16	ND (0.11)	5.2	ND (0.10)	ND (0.10)	0.95	0.72	ND (0.33)	0.29	ND (0.10)	*14*	ND (0.11)	*120*
Fluorene	86-73-7	ND (0.32)	-	ND (0.10)	ND (0.10)	ND (0.50)	ND (0.11)	ND (0.19)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	*0.97*	ND (0.11)	*34*
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.32)	-	*ND (0.10)*	*ND (0.10)*	*2.2*	*ND (0.11)*	*0.74*	*ND (0.10)*	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	*ND (0.11)*	*ND (0.10)*	*1.1*	*ND (0.11)*	*11*
Naphthalene	91-20-3	ND (0.32)	-	ND (0.10)	ND (0.10)	ND (0.50)	ND (0.11)	ND (0.19)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.31)	ND (0.33)	ND (0.11)	ND (0.10)	*1.2*	ND (0.11)	*14*
Phenanthrene	85-01-8	ND (0.32)	-	ND (0.10)	ND (0.10)	11	ND (0.11)	3.6	ND (0.10)	ND (0.10)	1	*0.36*	ND (0.33)	ND (0.11)	ND (0.10)	*11*	ND (0.11)	*180*
Pyrene	129-00-0	ND (0.32)	-	ND (0.10)	ND (0.10)	14	ND (0.11)	4.1	ND (0.10)	ND (0.10)	0.83	0.74	ND (0.33)	0.32	ND (0.10)	*9.6*	ND (0.11)	*100*
METALS (mg/Kg)																		
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arsenic	7440-38-2	6	-	8.4	5.7	13.7	8.8	36.7	7.7	9.7	7	8.4	5.2	11.8	6.9	14.8	22	-
Barium	7440-39-3	59.1	-	66.1	25.8	107	22.1	205	75.8	67.9	28.5	55.6	25.1	69.4	33.3	87.1	71.8	-
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	0.16	-	ND (0.06)	ND (0.06)	3.2	ND (0.07)	5.8	ND (0.07)	0.37	0.22	0.16	ND (0.07)	ND (0.25)	ND (0.22)	ND (0.23)	ND (0.25)	-
Chromium	7440-47-3	32.8	-	37.3	22.8	19.3	19.5	32.2	42.1	41	22.9	33.4	18.3	34.2	19.2	20.8	31.3	-
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	25.9	-	9.3	8.3	483	3.3	601	8.4	10.6	8	43.9	16.6	15.4	20	130	33.2	-
Mercury	7439-97-6	0.33	-	ND (0.02)	0.034	0.53	0.027	0.55	0.079	0.028	0.044	0.51	0.15	0.19	ND (0.06)	0.58	ND (0.06)	-
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	2.4	-	2.1	1.7	3.7	1.8	7.5	1.5	2.2	2	1.9	1.3	ND (0.65)	ND (0.55)	3.2	ND (0.60)	-
Silver	7440-22-4	ND (0.08)	-	ND (0.14)	ND (0.07)	ND (0.14)	ND (0.08)	ND (0.08)	ND (0.08)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.08)	ND (0.44)	ND (0.38)	ND (0.40)	ND (0.43)	-
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		085-B04	085-B04A	110-B01	110-B01	110-B02	110-B02	121-B01	121-B01	121-B02	121-B02	160-B01	160-B01	181-B01	181-B01	181-B02	181-B02	181-B03
SAMPLING DATE	CAS	04-Sep-98	03-Nov-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	09-Sep-98	02-Sep-98	02-Sep-98	04-Sep-98	04-Sep-98	09-Sep-98	09-Sep-98	04-Sep-98	04-Sep-98	08-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	10.0-12.0	10.0-12.0	4.0-6.0	14.0-16.0	1.0-3.0	8.0-10.0	1.0-3.0	8.0-10.0	4.0-6.0	14.0-16.0	2.0-4.0	11.0-12.0	2.0-4.0	14.0-16.0	0.0-2.0	8.0-10.0	0.0-2.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																		
carbon ranges																		
C5-C8 Aliphatics	NA	-	ND (3.3)	ND (1.2)	ND (1.8)	ND (2.4)	ND (1.9)	*ND (1.7)*	ND (1.8)	ND (1.6)	ND (1.8)	ND (1.6)	ND (1.8)	ND (2.2)	ND (2.0)	ND (2.9)	ND (2.8)	3.2
C9-C12 Aliphatics	NA	-	ND (3.3)	ND (1.2)	ND (1.8)	ND (2.4)	ND (1.9)	*ND (1.7)*	ND (1.8)	ND (1.6)	ND (1.8)	ND (0.3)	ND (0.4)	ND (2.2)	ND (2.0)	ND (2.9)	ND (2.8)	ND (1.1)
C9-C10 Aromatics	NA	-	ND (3.3)	ND (1.2)	ND (1.8)	ND (2.4)	ND (1.9)	*ND (1.7)*	ND (1.8)	ND (1.6)	ND (1.8)	1.8	ND (0.5)	ND (2.2)	ND (2.0)	ND (2.9)	ND (2.8)	*10*
Methyl tert-butyl ether	1634-04-4																	
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																		
carbon ranges																		
C9-C18 Aliphatics	NA	ND (2)	-	*ND (3.6)*	ND (3.7)	44	ND (3.6)	ND (3.3)	ND (3.6)	*ND (2.7)*	*ND (3.4)*	ND (3.7)	ND (3.9)	ND (3.9)	ND (3.4)	ND (3.2)	ND (3.4)	*490*
C19-C36 Aliphatics	NA	ND (3)	-	*ND (4.7)*	ND (4.9)	1400	20	42	ND (4.7)	*ND (3.6)*	*42*	ND (5.0)	ND (5.0)	32	29	*51*	80	*720*
C10-C22 Aromatics	NA	ND (6)	-	*ND (10.0)*	ND (10.5)	ND (10.0)	740	33	ND (10.0)	*ND (7.5)*	*34*	*20*	ND (11.0)	ND (11.0)	54	55	ND (9.5)	*2000*
PCBs (mg/Kg)																		
Aroclor 1016	12674-11-2	-	-	-	-	ND (0.01)	-	ND (0.02)	-	-	-	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-
Aroclor 1242	53469-21-9	-	-	-	-	ND (0.01)	-	ND (0.02)	-	-	-	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-
Aroclor 1248	12672-29-6	-	-	-	-	ND (0.01)	-	ND (0.02)	-	-	-	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-
Aroclor 1254	11097-69-1	-	-	-	-	ND (0.01)	-	ND (0.02)	-	-	-	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-
Aroclor 1260	11096-82-5	-	-	-	-	ND (0.01)	-	ND (0.02)	-	-	-	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		181-B03 (D)	181-B03	181-B03 (D)	181-B03	181-B04	181-B04	181-B04(D)	191-B01	191-B01	191-B02	191-B02	191-B03	191-B03	191-B04	191-B04	191-B05	191-B05	191-B06
SAMPLING DATE	CAS	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	10-Sep-98	11-Sep-98	11-Sep-98	25-Aug-98	25-Aug-98	25-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	27-Aug-98	27-Aug-98	27-Aug-98	27-Aug-98	27-Aug-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-2.0	4.0-8.0	4.0-8.0	14.0-16.0	2.0-4.0	8.0-14.0	8.0-14.0	0.0-2.0	8.0-10.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0	4.0-6.0	10.0-12.0	0.0-2.0	8.0-10.0	0.0-2.0
VOCs (mg/Kg)																			
1,2,4-Trichlorobenzene	120-82-1	ND (0.05)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.14)	-	ND (0.15)	-	-	ND (0.09)	-	ND (0.08)	-	ND (0.10)	-
2-Butanone	78-93-3	ND (0.05)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.14)	-	ND (0.15)	-	-	ND (0.09)	-	ND (0.08)	-	ND (0.10)	-
Acetone	67-64-1	ND (0.05)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.14)	-	ND (0.15)	-	-	ND (0.09)	-	ND (0.08)	-	ND (0.10)	-
Benzene	71-43-2	ND (0.02)	-	-	ND (0.09)	ND (0.07)	ND (0.09)	ND (0.09)	ND (0.06)	ND (0.08)	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.09)	ND (0.04)	ND (0.06)
Chlorobenzene	108-90-7	ND (0.02)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.06)	-	ND (0.06)	-	-	ND (0.04)	-	ND (0.03)	-	ND (0.04)	-
Chloroform	67-66-3	ND (0.02)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.06)	-	ND (0.06)	-	-	ND (0.04)	-	ND (0.03)	-	ND (0.04)	-
Chloromethane	74-87-3	ND (0.05)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.14)	-	ND (0.15)	-	-	ND (0.09)	-	ND (0.08)	-	ND (0.10)	-
Ethylbenzene	100-41-4	ND (0.02)	-	-	ND (0.09)	ND (0.07)	ND (0.09)	ND (0.09)	ND (0.06)	ND (0.08)	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.09)	ND (0.04)	ND (0.06)
Methyl tert-butyl ether	1634-04-4	ND (0.02)	-	-	ND (0.09)	ND (0.22)	ND (0.09)	ND (0.09)	ND (0.06)	ND (0.08)	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.09)	ND (0.04)	ND (0.06)
Methylene chloride	75-09-2	ND (0.02)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.14)	-	ND (0.15)	-	-	ND (0.09)	-	ND (0.08)	-	ND (0.10)	-
Naphthalene	91-20-3	ND (0.02)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.06)	-	ND (0.06)	-	-	ND (0.04)	-	ND (0.03)	-	ND (0.04)	-
Styrene	100-42-5	ND (0.05)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.14)	-	ND (0.15)	-	-	ND (0.09)	-	ND (0.08)	-	ND (0.10)	-
Tetrachloroethylene	127-18-4	ND (0.02)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.06)	-	ND (0.06)	-	-	ND (0.04)	-	ND (0.03)	-	ND (0.04)	-
Toluene	108-88-3	ND (0.02)	-	-	ND (0.09)	ND (0.22)	ND (0.09)	ND (0.09)	ND (0.06)	ND (0.08)	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.09)	ND (0.04)	ND (0.06)
Trichloroethylene	79-01-6	ND (0.02)	-	-	-	-	ND (0.09)	ND (0.09)	ND (0.06)	-	ND (0.06)	-	-	ND (0.04)	-	ND (0.03)	-	ND (0.04)	-
Vinyl chloride	75-01-4	ND (0.02)	-	-	-	-	ND (0.02)	ND (0.02)	ND (0.06)	-	ND (0.06)	-	-	ND (0.04)	-	ND (0.03)	-	ND (0.04)	-
Xylenes, mixture	1330-20-7	0.043	-	-	ND (0.09)	ND (0.29)	ND (0.09)	ND (0.09)	ND (0.06)	ND (0.08)	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.09)	ND (0.04)	ND (0.06)
SVOCs (mg/Kg)																			
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	*2.1*	-	-	ND (0.11)	ND (0.22)	*ND (0.26)*	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	0.22	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.09)	ND (0.11)	ND (0.17)
Acenaphthene	83-32-9	*4.8*	-	-	ND (0.11)	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.09)	ND (0.11)	ND (0.17)
Acenaphthylene	208-96-8	*1.7*	-	-	ND (0.11)	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.09)	ND (0.11)	ND (0.17)
Anthracene	120-12-7	*10*	-	-	ND (0.11)	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	0.42	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.31	ND (0.09)	ND (0.11)	ND (0.17)
Benzo(a)anthracene	56-55-3	*14*	-	-	ND (0.11)	*0.11*	ND (0.26)	ND (0.26)	ND (0.10)	0.59	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.59	ND (0.09)	ND (0.11)	ND (0.17)
Benzo(a)pyrene	50-32-8	*12*	-	-	ND (0.11)	*0.12*	ND (0.26)	ND (0.26)	ND (0.10)	0.46	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.59	ND (0.09)	ND (0.11)	ND (0.17)
Benzo(b)fluoranthene	205-99-2	*17*	-	-	ND (0.11)	*0.091*	ND (0.26)	ND (0.26)	ND (0.10)	0.33	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.46	ND (0.09)	ND (0.11)	ND (0.17)
Benzo(g,h,i)perylene	191-24-2	*2.9*	-	-	*ND (0.11)*	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.36	ND (0.09)	ND (0.11)	ND (0.17)
Benzo(k)fluoranthene	207-08-9	*6.3*	-	-	ND (0.11)	*0.12*	ND (0.26)	ND (0.26)	ND (0.10)	0.35	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.57	ND (0.09)	ND (0.11)	ND (0.17)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	*10*	-	-	ND (0.11)	*0.11*	ND (0.26)	ND (0.26)	ND (0.10)	0.57	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.65	ND (0.09)	ND (0.11)	ND (0.17)
Dibenzo(a,h)anthracene	53-70-3	*ND (0.37)*	-	-	*ND (0.11)*	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.09)	ND (0.11)	ND (0.17)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	*40*	-	-	ND (0.11)	*0.16*	ND (0.26)	ND (0.26)	0.31	0.99	ND (0.11)	ND (0.12)	ND (0.10)	0.25	ND (0.11)	1.2	ND (0.09)	ND (0.11)	ND (0.17)
Fluorene	86-73-7	*7.1*	-	-	ND (0.11)	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.09)	ND (0.11)	ND (0.17)
Indeno(1,2,3-cd)pyrene	193-39-5	*3.1*	-	-	*ND (0.11)*	ND (0.22)	ND (0.26)	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.36	ND (0.09)	ND (0.11)	ND (0.17)
Naphthalene	91-20-3	*1.7*	-	-	ND (0.11)	ND (0.22)	*ND (0.26)*	ND (0.26)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.09)	ND (0.11)	ND (0.17)
Phenanthrene	85-01-8	*43*	-	-	ND (0.11)	ND (0.22)	ND (0.26)	ND (0.26)	0.2	1	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	0.51	ND (0.09)	ND (0.11)	ND (0.17)
Pyrene	129-00-0	*32*	-	-	ND (0.11)	*0.14*	ND (0.26)	ND (0.26)	0.21	1.1	ND (0.11)	ND (0.12)	ND (0.10)	0.24	ND (0.11)	1.1	ND (0.09)	ND (0.11)	ND (0.17)
METALS (mg/Kg)																			
Antimony	7440-36-0				-	-			-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	-	9.5	7.1	9.2	7.8	12.7	10.2	6.2	7.1	7	8.9	5.5	5.4	12.8	10.1	2.3	4.7	2.7
Barium	7440-39-3	-	74.2	55	67.6	73.4	97.8	69.3	59.2	57.7	52.9	83.4	59.8	32.6	46.1	95.3	34.6	46.5	32.2
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	-	ND (0.26)	ND (0.12)	ND (0.25)	ND (0.23)	ND (0.27)	ND (0.25)	ND (0.21)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.22)	ND (0.25)	ND (0.21)	ND (0.28)	ND (0.20)	ND (0.23)	ND (0.20)
Chromium	7440-47-3	-	36.2	28.2	33.4	30.2	48.1	32.1	9.7	26.3	29.4	41.5	11.3	18	28.2	31.2	13	23.4	10.2
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	-	11.2	9.4	15.4	23.6	13.9	13.4	63.4	48.7	23.4	26.4	37.8	31.1	17.7	185	15.4	7.4	18.3
Mercury	7439-97-6	-	ND (0.05)	ND (0.05)	ND (0.06)	0.097	ND (0.06)	ND (0.06)	0.16	0.56	0.12	0.17	ND (0.05)	0.44	ND (0.05)	0.76	ND (0.05)	ND (0.05)	ND (0.04)
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	-	ND (0.65)	ND (0.30)	ND (0.60)	ND (0.55)	ND (0.65)	ND (0.60)	1.4	ND (0.60)	ND (0.60)	ND (0.60)	1.4	ND (0.60)	1.1	1.4	ND (0.50)	ND (0.60)	ND (0.50)
Silver	7440-22-4	-	ND (0.05)	ND (0.21)	ND (0.43)	ND (0.40)	ND (0.47)	ND (0.43)	ND (0.36)	ND (0.42)	ND (0.41)	ND (0.42)	ND (0.39)	ND (0.44)	ND (0.36)	ND (0.48)	ND (0.35)	ND (0.41)	ND (0.35)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		181-B03 (D)	181-B03	181-B03 (D)	181-B03	181-B04	181-B04	181-B04(D)	191-B01	191-B01	191-B02	191-B02	191-B03	191-B03	191-B04	191-B04	191-B05	191-B05	191-B06
SAMPLING DATE	CAS	08-Sep-98	08-Sep-98	08-Sep-98	08-Sep-98	10-Sep-98	11-Sep-98	11-Sep-98	25-Aug-98	25-Aug-98	25-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	27-Aug-98	27-Aug-98	27-Aug-98	27-Aug-98	27-Aug-98
SAMPLE DEPTH (FT.)	NUMBER	0.0-2.0	4.0-8.0	4.0-8.0	14.0-16.0	2.0-4.0	8.0-14.0	8.0-14.0	0.0-2.0	8.0-10.0	4.0-6.0	14.0-16.0	0.0-2.0	8.0-10.0	4.0-6.0	10.0-12.0	0.0-2.0	8.0-10.0	0.0-2.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																			
carbon ranges																			
C5-C8 Aliphatics	NA	4	-	-	ND (1.8)	ND (0.3)	ND (0.4)	ND (0.4)	ND (1.4)	ND (1.6)	ND (1.7)	ND (2.2)	ND (1.5)	ND (2.0)	ND (2.3)	ND (2.5)	ND (1.7)	ND (1.8)	ND (1.2)
C9-C12 Aliphatics	NA	ND (1.8)	-	-	ND (1.8)	ND (0.3)	ND (0.4)	ND (0.4)	ND (1.4)	ND (1.6)	ND (1.7)	ND (2.2)	ND (1.5)	ND (2.0)	ND (2.3)	ND (2.5)	ND (1.7)	ND (1.8)	ND (1.2)
C9-C10 Aromatics	NA	*32*	-	-	ND (1.8)	ND (0.3)	ND (0.4)	ND (0.4)	ND (1.4)	ND (1.6)	ND (1.7)	ND (2.2)	ND (1.5)	ND (2.0)	ND (2.3)	ND (2.5)	ND (1.7)	ND (1.8)	ND (1.2)
Methyl tert-butyl ether	1634-04-4																		
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																			
carbon ranges																			
C9-C18 Aliphatics	NA	*6.4*	-	-	ND (3.4)	ND (5.5)	ND (6.5)	ND (6.5)	ND (2.9)	ND (3.4)	ND (3.8)	ND (4.1)	ND (3.5)	ND (3.8)	ND (3.2)	ND (3.2)	ND (2.7)	ND (2.8)	ND (2.8)
C19-C36 Aliphatics	NA	*22*	-	-	22	ND (5.5)	ND (6.5)	ND (6.5)	33	ND (4.6)	ND (5.0)	ND (5.5)	ND (4.6)	ND (5.0)	ND (4.2)	ND (4.2)	ND (3.5)	ND (3.8)	ND (3.7)
C10-C22 Aromatics	NA	*600*	-	-	ND (9.5)	ND (5.5)	ND (6.5)	ND (6.5)	180	ND (9.5)	ND (11.0)	33	28	45	ND (9.5)	140	ND (7.5)	ND (8.0)	ND (8.0)
PCBs (mg/Kg)																			
Aroclor 1016	12674-11-2	-	ND (0.02)	ND (0.03)	ND (0.02)	ND (0.02)	-	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1242	53469-21-9	-	ND (0.02)	ND (0.03)	ND (0.02)	ND (0.02)	-	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1248	12672-29-6	-	ND (0.02)	ND (0.03)	ND (0.02)	ND (0.02)	-	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1254	11097-69-1	-	ND (0.02)	ND (0.03)	ND (0.02)	ND (0.02)	-	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1260	11096-82-5	-	ND (0.02)	ND (0.03)	ND (0.02)	ND (0.02)	-	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		191-B06	191-B07	191-B07	191-B08	191-B08	191-B09	191-B09	191-B10	191-B10	191-B11	191-B12	191-B12	191-B12	191-B13	191-B13 (D)	191-B13	191-B14	191-B14
SAMPLING DATE	CAS	27-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	31-Aug-98	31-Aug-98	31-Aug-98	01-Sep-98	01-Sep-98	03-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	8.0-10.0	0.0-2.0	8.0-10.0	6.0-8.0	15.0-17.0	0.0-2.0	8.0-10.0	4.0-6.0	10.0-12.0	25.0-27.0	5.0-7.0	20.0-24.0	35.0-37.0	5.0-9.0	5.0-9.0	15.0-17.0	5.0-7.0	15.0-17.0
VOCs (mg/Kg)																			
1,2,4-Trichlorobenzene	120-82-1	ND (0.07)	-	ND (0.07)	ND (0.09)	-	-	ND (0.09)	ND (0.08)	-	ND (0.08)	ND (0.12)	ND (0.07)	ND (0.12)	ND (0.08)	ND (0.10)	-	ND (0.08)	-
2-Butanone	78-93-3	ND (0.07)	-	ND (0.07)	ND (0.09)	-	-	ND (0.09)	ND (0.08)	-	ND (0.08)	ND (0.12)	ND (0.07)	ND (0.12)	ND (0.08)	ND (0.10)	-	ND (0.08)	-
Acetone	67-64-1	ND (0.07)	-	ND (0.07)	ND (0.09)	-	-	ND (0.09)	ND (0.08)	-	ND (0.08)	ND (0.12)	ND (0.07)	ND (0.12)	ND (0.08)	ND (0.10)	-	ND (0.08)	-
Benzene	71-43-2	ND (0.03)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.12)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	ND (0.07)	ND (0.03)	ND (0.10)
Chlorobenzene	108-90-7	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	-	ND (0.03)	-
Chloroform	67-66-3	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	-	ND (0.03)	-
Chloromethane	74-87-3	ND (0.07)	-	ND (0.07)	ND (0.09)	-	-	ND (0.09)	ND (0.08)	-	ND (0.08)	ND (0.12)	ND (0.07)	ND (0.12)	ND (0.08)	ND (0.10)	-	ND (0.08)	-
Ethylbenzene	100-41-4	ND (0.03)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.12)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	ND (0.07)	ND (0.03)	ND (0.10)
Methyl tert-butyl ether	1634-04-4	ND (0.03)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.12)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	ND (0.07)	ND (0.03)	ND (0.10)
Methylene chloride	75-09-2	ND (0.07)	-	ND (0.07)	ND (0.09)	-	-	ND (0.09)	ND (0.08)	-	ND (0.08)	ND (0.08)	ND (0.07)	ND (0.05)	ND (0.08)	ND (0.10)	-	ND (0.08)	-
Naphthalene	91-20-3	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	-	ND (0.03)	-
Styrene	100-42-5	ND (0.07)	-	ND (0.07)	ND (0.09)	-	-	ND (0.09)	ND (0.08)	-	ND (0.08)	ND (0.12)	ND (0.07)	ND (0.12)	ND (0.08)	ND (0.10)	-	ND (0.08)	-
Tetrachloroethylene	127-18-4	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	-	ND (0.03)	-
Toluene	108-88-3	ND (0.03)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.12)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	ND (0.07)	ND (0.03)	ND (0.10)
Trichloroethylene	79-01-6	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	-	ND (0.03)	-
Vinyl chloride	75-01-4	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.05)	ND (0.03)	ND (0.04)	-	ND (0.03)	-
Xylenes, mixture	1330-20-7	ND (0.03)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.12)	ND (0.08)	ND (0.03)	ND (0.03)	ND (0.09)	ND (0.03)	ND (0.05)	0.06	ND (0.05)	ND (0.03)	ND (0.04)	ND (0.07)	ND (0.03)	ND (0.10)
SVOCs (mg/Kg)																			
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.11)	1	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Acenaphthene	83-32-9	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Acenaphthylene	208-96-8	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Anthracene	120-12-7	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	0.61	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Benzo(a)anthracene	56-55-3	ND (0.11)	0.33	ND (0.11)	ND (0.11)	0.82	0.23	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Benzo(a)pyrene	50-32-8	ND (0.11)	0.32	ND (0.11)	ND (0.11)	0.85	0.27	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Benzo(b)fluoranthene	205-99-2	ND (0.11)	0.39	ND (0.11)	ND (0.11)	0.56	0.26	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Benzo(g,h,i)perylene	191-24-2	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	0.45	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	*ND (0.11)*	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Benzo(k)fluoranthene	207-08-9	ND (0.11)	0.24	ND (0.11)	ND (0.11)	0.8	0.28	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	ND (0.11)	0.65	ND (0.11)	ND (0.11)	0.87	0.28	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Dibenzo(a,h)anthracene	53-70-3	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	ND (0.11)	0.38	ND (0.11)	ND (0.11)	1.8	0.46	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	0.26
Fluorene	86-73-7	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.11)	ND (0.09)	ND (0.11)	ND (0.11)	0.5	0.18	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Naphthalene	91-20-3	ND (0.11)	0.8	ND (0.11)	ND (0.11)	0.24	ND (0.09)	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Phenanthrene	85-01-8	ND (0.11)	1	ND (0.11)	ND (0.11)	1.2	0.25	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	ND (0.11)
Pyrene	129-00-0	ND (0.11)	0.37	ND (0.11)	ND (0.11)	1.5	0.43	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	*ND (0.09)*	ND (0.10)	0.26
METALS (mg/Kg)																			
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
Arsenic	7440-38-2	5.9	4.7	8.7	4.7	10.8	6.2	6.3	7.9	6.2	11.6	5.2	8.8	14	6	4	1.7	4.6	13.6
Barium	7440-39-3	55.9	37.6	99.5	36.6	77.1	69.1	80.4	67.8	39.7	85.1	37.4	60.4	110	50.4	35.2	13.7	38.2	66.1
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	ND (0.22)	ND (0.22)	ND (0.25)	ND (0.24)	ND (0.26)	ND (0.20)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.26)	ND (0.24)	ND (0.23)	ND (0.50)	ND (0.22)	ND (0.25)	ND (0.19)	ND (0.23)	ND (0.25)
Chromium	7440-47-3	31.8	60.5	45.7	20	37.2	8.9	36.9	33.7	21.8	43.9	15.7	30.6	54.4	27	18.4	4.9	21.6	31.7
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	11	74.4	13.9	8.5	72.7	136	9.2	10.1	10.6	11.5	55.2	8	12.6	10.4	9.8	1.8	14.3	54.9
Mercury	7439-97-6	0.17	ND (0.05)	0.18	ND (0.04)	0.37	0.21	ND (0.05)	ND (0.05)	ND (0.06)	ND (0.05)	0.21	ND (0.06)	ND (0.07)	ND (0.05)	0.13	ND (0.04)	ND (0.06)	ND (0.05)
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	1.2	2	ND (0.60)	ND (0.60)	ND (0.65)	1.2	ND (0.60)	ND (0.55)	ND (0.55)	ND (0.65)	ND (0.60)	ND (0.55)	ND (0.65)	ND (0.55)	ND (0.60)	ND (0.46)	ND (0.55)	ND (0.60)
Silver	7440-22-4	ND (0.38)	ND (0.38)	ND (0.44)	ND (0.41)	ND (0.45)	ND (0.35)	ND (0.41)	ND (0.39)	ND (0.39)	ND (0.46)	ND (0.42)	ND (0.39)	ND (0.45)	ND (0.39)	ND (0.44)	ND (0.32)	ND (0.40)	ND (0.44)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		191-B06	191-B07	191-B07	191-B08	191-B08	191-B09	191-B09	191-B10	191-B10	191-B11	191-B12	191-B12	191-B12	191-B13	191-B13 (D)	191-B13	191-B14	191-B14
SAMPLING DATE	CAS	27-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	31-Aug-98	31-Aug-98	31-Aug-98	01-Sep-98	01-Sep-98	03-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98	02-Sep-98
SAMPLE DEPTH (FT.)	NUMBER	8.0-10.0	0.0-2.0	8.0-10.0	6.0-8.0	15.0-17.0	0.0-2.0	8.0-10.0	4.0-6.0	10.0-12.0	25.0-27.0	5.0-7.0	20.0-24.0	35.0-37.0	5.0-9.0	5.0-9.0	15.0-17.0	5.0-7.0	15.0-17.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																			
carbon ranges																			
C5-C8 Aliphatics	NA	ND (1.9)	*ND (1.6)*	ND (2.1)	ND (2.2)	ND (2.4)	ND (1.6)	ND (1.9)	ND (1.4)	ND (1.7)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (1.8)	ND (2.0)	ND (1.3)	ND (1.9)	ND (1.9)
C9-C12 Aliphatics	NA	ND (1.9)	*ND (1.6)*	ND (2.1)	ND (2.2)	ND (2.4)	ND (1.6)	ND (1.9)	ND (1.4)	ND (1.7)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (1.8)	ND (2.0)	ND (1.3)	ND (1.9)	ND (1.9)
C9-C10 Aromatics	NA	ND (1.9)	*ND (1.6)*	ND (2.1)	4.6	ND (2.4)	ND (1.6)	ND (1.9)	ND (1.4)	ND (1.7)	ND (2.0)	ND (2.0)	ND (2.1)	ND (2.0)	ND (1.8)	ND (2.0)	ND (1.3)	ND (1.9)	ND (1.9)
Methyl tert-butyl ether	1634-04-4																		
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																			
carbon ranges																			
C9-C18 Aliphatics	NA	ND (3.1)	ND (2.9)	ND (3.6)	ND (3.6)	ND (3.8)	ND (2.9)	ND (2.9)	ND (3.2)	ND (3.8)	ND (3.8)	ND (3.5)	ND (3.5)	*ND (3.6)*	*ND (3.2)*	*ND (3.8)*	*ND (3.0)*	*ND (3.6)*	*ND (3.9)*
C19-C36 Aliphatics	NA	ND (4.1)	ND (3.8)	ND (4.8)	ND (4.8)	ND (5.0)	ND (3.9)	ND (3.9)	ND (4.2)	ND (5.0)	ND (5.0)	ND (4.7)	ND (4.7)	*ND (4.7)*	*36*	*ND (5.0)*	*ND (4.0)*	*11*	*15*
C10-C22 Aromatics	NA	ND (8.5)	120	ND (10.0)	ND (10.0)	55	ND (8.0)	ND (8.0)	ND (9.0)	ND (10.5)	ND (10.5)	240	ND (10.0)	*ND (10.0)*	*ND (9.0)*	*ND (10.5)*	*ND (8.5)*	*15*	*64*
PCBs (mg/Kg)																			
Aroclor 1016	12674-11-2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1242	53469-21-9	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1248	12672-29-6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1254	11097-69-1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aroclor 1260	11096-82-5	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		191-B15	191-B15	191-B16	191-B16	191-B17	191-B17	191-B18	191-B18	191-B19	191-B19	191-B20	191-B20	221-B03	221-B03	221-B05	221-B05	221-B07	221-B07
SAMPLING DATE	CAS	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	27-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	27-Aug-98	28-Aug-98	27-Aug-98	27-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	27-Aug-98	27-Aug-98
SAMPLE DEPTH (FT.)	NUMBER	5.0-7.0	15.0-17.0	5.0-7.0	10.0-12.0	2.0-4.0	14.0-16.0	2.0-4.0	8.0-10.0	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	1.0-3.0	8.0-10.0	3.0-5.0	5.0-7.0	1.0-3.0	8.0-10.0
VOCs (mg/Kg)																			
1,2,4-Trichlorobenzene	120-82-1	ND (0.10)	-	ND (0.13)	-	-	ND (0.12)	ND (0.10)	-	ND (0.08)	ND (0.07)	ND (0.07)	-	-	ND (0.10)	-	ND (0.11)	-	0.18
2-Butanone	78-93-3	ND (0.10)	-	ND (0.13)	-	-	ND (0.12)	ND (0.10)	-	ND (0.08)	ND (0.07)	ND (0.07)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Acetone	67-64-1	ND (0.10)	-	ND (0.13)	-	-	ND (0.12)	ND (0.10)	-	ND (0.08)	ND (0.07)	ND (0.07)	-	-	0.3	-	0.54	-	ND (0.09)
Benzene	71-43-2	ND (0.04)	ND (0.09)	ND (0.05)	ND (0.10)	*ND (0.12)*	ND (0.05)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.07)	ND (0.13)	ND (0.10)	ND (0.08)	ND (0.11)	ND (0.07)	ND (0.09)
Chlorobenzene	108-90-7	ND (0.04)	-	ND (0.05)	-	-	ND (0.05)	ND (0.04)	-	ND (0.03)	ND (0.03)	ND (0.03)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Chloroform	67-66-3	ND (0.04)	-	ND (0.05)	-	-	ND (0.05)	ND (0.04)	-	ND (0.03)	ND (0.03)	ND (0.03)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Chloromethane	74-87-3	ND (0.10)	-	ND (0.13)	-	-	ND (0.12)	ND (0.10)	-	ND (0.08)	ND (0.07)	ND (0.07)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Ethylbenzene	100-41-4	ND (0.04)	ND (0.09)	ND (0.05)	ND (0.10)	*ND (0.12)*	ND (0.05)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.07)	ND (0.13)	ND (0.10)	ND (0.08)	ND (0.11)	ND (0.07)	ND (0.09)
Methyl tert-butyl ether	1634-04-4	ND (0.04)	ND (0.09)	ND (0.05)	ND (0.10)	*ND (0.12)*	ND (0.05)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.07)	ND (0.39)	ND (0.10)	ND (0.24)	ND (0.11)	ND (0.20)	ND (0.09)
Methylene chloride	75-09-2	ND (0.10)	-	ND (0.05)	-	-	ND (0.12)	ND (0.04)	-	ND (0.08)	ND (0.07)	ND (0.07)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Naphthalene	91-20-3	ND (0.04)	-	ND (0.05)	-	-	ND (0.05)	ND (0.04)	-	ND (0.03)	ND (0.03)	ND (0.03)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Styrene	100-42-5	ND (0.10)	-	ND (0.13)	-	-	ND (0.12)	ND (0.10)	-	ND (0.08)	ND (0.07)	ND (0.07)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Tetrachloroethylene	127-18-4	ND (0.04)	-	ND (0.05)	-	-	ND (0.05)	ND (0.04)	-	ND (0.03)	ND (0.03)	ND (0.03)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Toluene	108-88-3	ND (0.04)	ND (0.09)	ND (0.05)	ND (0.10)	*ND (0.12)*	ND (0.05)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.07)	ND (0.39)	ND (0.10)	ND (0.24)	ND (0.11)	ND (0.20)	ND (0.09)
Trichloroethylene	79-01-6	ND (0.04)	-	ND (0.05)	-	-	ND (0.05)	ND (0.04)	-	ND (0.03)	ND (0.03)	ND (0.03)	-	-	ND (0.10)	-	ND (0.11)	-	ND (0.09)
Vinyl chloride	75-01-4	ND (0.04)	-	ND (0.05)	-	-	ND (0.05)	ND (0.04)	-	ND (0.03)	ND (0.03)	ND (0.03)	-	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)
Xylenes, mixture	1330-20-7	ND (0.04)	ND (0.09)	ND (0.05)	ND (0.10)	*ND (0.12)*	ND (0.05)	ND (0.04)	ND (0.12)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.07)	ND (0.50)	ND (0.10)	ND (0.31)	ND (0.11)	ND (0.27)	ND (0.09)
SVOCs (mg/Kg)																			
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	ND (0.49)	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.35)	ND (0.28)	ND (0.34)
Acenaphthene	83-32-9	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	1.7	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.35)	ND (0.28)	ND (0.34)
Acenaphthylene	208-96-8	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	ND (0.49)	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.35)	ND (0.28)	ND (0.34)
Anthracene	120-12-7	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	5.6	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.35)	ND (0.28)	ND (0.34)
Benzo(a)anthracene	56-55-3	0.33	ND (0.10)	0.26	ND (0.09)	*0.24*	*0.53*	9.5	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	1.3	ND (0.34)	ND (0.32)	ND (0.35)	2.3	1.2
Benzo(a)pyrene	50-32-8	0.29	ND (0.10)	0.24	ND (0.09)	*ND (0.11)*	*0.55*	9.9	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	1.9	ND (0.34)	1.1	1.2	2.3	ND (0.34)
Benzo(b)fluoranthene	205-99-2	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	*0.51*	7.3	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	2	ND (0.34)	ND (0.32)	ND (0.35)	3	ND (0.34)
Benzo(g,h,i)perylene	191-24-2	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	*0.33*	5.4	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	0.74	ND (0.34)	ND (0.32)	ND (0.35)	0.96	ND (0.34)
Benzo(k)fluoranthene	207-08-9	0.24	ND (0.10)	0.23	ND (0.09)	*ND (0.11)*	*0.44*	6.8	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	0.88	ND (0.34)	ND (0.32)	ND (0.35)	0.92	ND (0.34)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	0.32	ND (0.10)	0.28	ND (0.09)	*0.3*	*0.65*	9.6	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	1.6	ND (0.34)	ND (0.32)	ND (0.35)	1.9	ND (0.34)
Dibenzo(a,h)anthracene	53-70-3	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	ND (0.49)	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.35)	ND (0.28)	ND (0.34)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	0.54	ND (0.10)	0.38	ND (0.09)	*0.47*	*1.4*	22	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	2.3	ND (0.34)	ND (0.32)	ND (0.35)	3.9	1.7
Fluorene	86-73-7	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	2	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.35)	ND (0.28)	ND (0.34)
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	*0.33*	5.5	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	0.64	ND (0.34)	ND (0.32)	ND (0.35)	0.87	ND (0.34)
Naphthalene	91-20-3	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.09)	*ND (0.11)*	ND (0.11)	1.5	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	ND (0.32)	ND (0.34)	*0.6*	ND (0.35)	ND (0.28)	ND (0.34)
Phenanthrene	85-01-8	ND (0.11)	ND (0.10)	0.22	ND (0.09)	*0.46*	*1.2*	24	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	1.3	ND (0.34)	*0.6*	ND (0.35)	2.1	ND (0.34)
Pyrene	129-00-0	0.56	ND (0.10)	0.37	ND (0.09)	*0.53*	*1.2*	19	ND (0.11)	*ND (0.10)*	ND (0.11)	*ND (0.10)*	ND (0.11)	2.4	ND (0.34)	ND (0.32)	ND (0.35)	4.2	1.7
METALS (mg/Kg)																			
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	6.4	5	4.2	3.6	14.7	6.4	6.9	6.6	6.2	3.9	7.6	7.8	-	10.4	4.4	7.3	2.7	10.1
Barium	7440-39-3	42.8	60.2	26.9	47.1	76.8	42.4	56.8	42.2	50.5	28.2	65	51.2	-	63.3	35.6	40.4	21.8	65.9
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	ND (0.25)	ND (0.24)	ND (0.24)	ND (0.23)	ND (0.24)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.24)	ND (0.23)	ND (0.24)	ND (0.23)	-	*0.7*	*0.4*	*0.5*	0.23	ND (0.05)
Chromium	7440-47-3	25.5	28.8	15.6	21.6	7.5	24.4	9.2	22.8	27.6	14.6	32.2	27.3	-	37.7	15.8	20.3	7.1	32.9
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	27	20	12.9	11.8	332	20.7	129	24.4	10.4	5	13.1	12.3	-	12.2	26.5	42.1	71	34.2
Mercury	7439-97-6	0.33	0.05	0.17	ND (0.05)	0.79	0.26	0.47	0.2	ND (0.05)	0.14	ND (0.06)	0.091	-	ND (0.04)	*0.11*	*0.09*	0.23	ND (0.05)
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.55)	3	ND (0.65)	1.4	ND (0.65)	ND (0.60)	ND (0.55)	ND (0.60)	ND (0.55)	-	1.8	1	1.2	0.5	1.1
Silver	7440-22-4	ND (0.44)	ND (0.41)	ND (0.42)	ND (0.40)	ND (0.42)	ND (0.47)	ND (0.45)	ND (0.44)	ND (0.41)	ND (0.40)	ND (0.42)	ND (0.40)	-	ND (0.20)	ND (0.05)	ND (0.10)	0.15	0.7
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		191-B15	191-B15	191-B16	191-B16	191-B17	191-B17	191-B18	191-B18	191-B19	191-B19	191-B20	191-B20	221-B03	221-B03	221-B05	221-B05	221-B07	221-B07
SAMPLING DATE	CAS	02-Sep-98	02-Sep-98	03-Sep-98	03-Sep-98	27-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	27-Aug-98	28-Aug-98	27-Aug-98	27-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	27-Aug-98	27-Aug-98
SAMPLE DEPTH (FT.)	NUMBER	5.0-7.0	15.0-17.0	5.0-7.0	10.0-12.0	2.0-4.0	14.0-16.0	2.0-4.0	8.0-10.0	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	1.0-3.0	8.0-10.0	3.0-5.0	5.0-7.0	1.0-3.0	8.0-10.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																			
carbon ranges																			
C5-C8 Aliphatics	NA	ND (2.1)	ND (1.7)	ND (1.7)	ND (2.1)	*ND (2.5)*	ND (2.0)	*ND (2.8)*	ND (2.5)	ND (1.5)	ND (1.8)	ND (1.3)	ND (1.5)	ND (2.6)	ND (2.6)	ND (1.6)	ND (2.1)	ND (1.4)	ND (1.8)
C9-C12 Aliphatics	NA	ND (2.1)	ND (1.7)	ND (1.7)	ND (2.1)	*ND (2.5)*	ND (2.0)	*ND (2.8)*	ND (2.5)	ND (1.5)	ND (1.8)	ND (1.3)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.3)	ND (0.4)	ND (0.3)	ND (0.4)
C9-C10 Aromatics	NA	ND (2.1)	ND (1.7)	ND (1.7)	ND (2.1)	*ND (2.5)*	ND (2.0)	*ND (2.8)*	ND (1.0)	ND (1.5)	ND (1.8)	ND (1.3)	ND (1.5)	ND (0.8)	ND (0.8)	1.2	ND (0.7)	ND (0.4)	ND (0.6)
Methyl tert-butyl ether	1634-04-4																		
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																			
carbon ranges																			
C9-C18 Aliphatics	NA	*ND (3.6)*	ND (3.0)	*ND (3.3)*	*ND (2.8)*	11	ND (3.6)	ND (4.1)	ND (3.7)	ND (2.9)	ND (3.8)	ND (3.4)	ND (3.9)	ND (3.8)	ND (4.0)	ND (4.0)	ND (4.2)	26	ND (4.1)
C19-C36 Aliphatics	NA	*ND (4.8)*	10	*94*	*ND (3.8)*	89	ND (4.8)	ND (5.5)	ND (5.0)	ND (3.9)	ND (5.0)	ND (4.5)	ND (5.0)	82	ND (5.5)	ND (5.0)	ND (5.5)	370	160
C10-C22 Aromatics	NA	*22*	ND (8.5)	*ND (9.5)*	*ND (8.0)*	90	ND (10.0)	ND (11.5)	ND (10.5)	ND (8.0)	ND (10.5)	ND (9.5)	ND (11.0)	48	ND (11.5)	ND (11.0)	ND (12.0)	160	ND (11.5)
PCBs (mg/Kg)																			
Aroclor 1016	12674-11-2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	*ND (0.02)*	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.19)	ND (0.02)
Aroclor 1242	53469-21-9	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	*ND (0.02)*	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.19)	ND (0.02)
Aroclor 1248	12672-29-6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	*ND (0.02)*	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.19)	ND (0.02)
Aroclor 1254	11097-69-1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	*ND (0.02)*	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.19)	ND (0.02)
Aroclor 1260	11096-82-5	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	ND (0.02)	ND (0.02)	*ND (0.02)*	ND (0.02)	*ND (0.02)*	*ND (0.02)*	1.4	ND (0.02)	0.71	0.38	3.6	0.39

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		221-B16	221-B16	221-B17	221-B17	221-B18	221-B18	231-B01	231-B01	231-B02	231-B02	CST-B03	CST-B03	CST-B04	CST-B04	CST-B05	CST-B05	CST-B06
SAMPLING DATE	CAS	31-Aug-98	31-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	31-Aug-98	31-Aug-98	01-Sep-98	01-Sep-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98
SAMPLE DEPTH (FT.)	NUMBER	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	4.0-6.0	14.0-16.0	1.0-3.0	8.0-10.0	4.0-8.0	14.0-16.0	4.0-6.0	8.0-10.0	2.0-4.0	8.0-10.0	4.0-6.0	14.0-16.0	2.0-4.0
VOCs (mg/Kg)																		
1,2,4-Trichlorobenzene	120-82-1	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
2-Butanone	78-93-3	0.26	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Acetone	67-64-1	0.22	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	0.21	0.19	-	-	0.3	0.32
Benzene	71-43-2	ND (0.09)	ND (0.11)	ND (0.09)	ND (0.07)	ND (0.09)	*0.044*	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.10)	ND (0.08)	ND (0.07)	ND (0.05)	ND (0.10)	ND (0.07)	ND (0.07)	ND (0.06)
Chlorobenzene	108-90-7	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Chloroform	67-66-3	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Chloromethane	74-87-3	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Ethylbenzene	100-41-4	ND (0.09)	ND (0.11)	ND (0.09)	ND (0.07)	ND (0.09)	ND (0.11)	ND (0.06)	ND (0.11)	ND (0.08)	ND (0.10)	ND (0.08)	ND (0.07)	ND (0.05)	ND (0.10)	ND (0.07)	ND (0.07)	ND (0.06)
Methyl tert-butyl ether	1634-04-4	ND (0.09)	ND (0.31)	ND (0.25)	ND (0.02)	ND (0.27)	ND (0.11)	ND (0.18)	ND (0.11)	ND (0.08)	ND (0.29)	ND (0.24)	ND (0.07)	ND (0.05)	ND (0.28)	ND (0.21)	ND (0.07)	ND (0.06)
Methylene chloride	75-09-2	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Naphthalene	91-20-3	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Styrene	100-42-5	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Tetrachloroethylene	127-18-4	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Toluene	108-88-3	ND (0.09)	ND (0.31)	ND (0.25)	ND (0.02)	ND (0.27)	ND (0.11)	ND (0.18)	ND (0.11)	ND (0.08)	ND (0.29)	ND (0.24)	ND (0.07)	ND (0.05)	ND (0.28)	ND (0.21)	ND (0.07)	ND (0.06)
Trichloroethylene	79-01-6	ND (0.09)	-	-	ND (0.07)	-	ND (0.11)	-	ND (0.11)	ND (0.08)	-	-	ND (0.07)	ND (0.05)	-	-	ND (0.07)	ND (0.06)
Vinyl chloride	75-01-4	ND (0.02)	-	-	ND (0.01)	-	ND (0.02)	-	ND (0.02)	ND (0.02)	-	-	ND (0.01)	ND (0.01)	-	-	ND (0.01)	ND (0.01)
Xylenes, mixture	1330-20-7	ND (0.09)	ND (0.42)	ND (0.33)	ND (0.26)	ND (0.36)	ND (0.32)	ND (0.24)	ND (0.11)	ND (0.08)	ND (0.39)	ND (0.33)	ND (0.07)	ND (0.05)	ND (0.37)	ND (0.27)	ND (0.07)	ND (0.06)
SVOCs (mg/Kg)																		
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.34*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	ND (0.36)	ND (0.33)	ND (0.30)
Acenaphthene	83-32-9	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.44*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	ND (0.36)	ND (0.33)	ND (0.30)
Acenaphthylene	208-96-8	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	ND (0.36)	ND (0.33)	ND (0.30)
Anthracene	120-12-7	ND (0.34)	ND (0.34)	*0.27*	ND (0.34)	1	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	1.1	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	1.4	ND (0.33)	ND (0.30)
Benzo(a)anthracene	56-55-3	ND (0.34)	ND (0.34)	*0.3*	ND (0.34)	2	*0.38*	ND (0.27)	ND (0.35)	*0.63*	1.9	*0.58*	ND (0.34)	ND (0.27)	ND (0.36)	2.9	ND (0.33)	ND (0.30)
Benzo(a)pyrene	50-32-8	ND (0.55)	ND (0.34)	1.2	1.1	1.9	1.2	ND (0.50)	ND (0.35)	1.4	2	1.4	ND (0.34)	ND (0.27)	1.2	2.5	1.1	ND (0.30)
Benzo(b)fluoranthene	205-99-2	ND (0.34)	ND (0.34)	*0.29*	ND (0.34)	0.93	*0.29*	ND (0.27)	ND (0.35)	ND (0.35)	1.5	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	2.4	ND (0.33)	ND (0.30)
Benzo(g,h,i)perylene	191-24-2	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	*0.34*	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.57*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	0.89	ND (0.33)	ND (0.30)
Benzo(k)fluoranthene	207-08-9	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	0.52	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.56*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	1.1	ND (0.33)	ND (0.30)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	ND (0.34)	ND (0.34)	*0.3*	ND (0.34)	1.6	*0.37*	ND (0.27)	ND (0.35)	ND (0.35)	1.5	*0.48*	ND (0.34)	ND (0.27)	ND (0.36)	2.2	ND (0.33)	ND (0.30)
Dibenzo(a,h)anthracene	53-70-3	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	ND (0.38)	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	ND (0.36)	ND (0.33)	ND (0.30)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	ND (0.34)	ND (0.34)	*0.39*	ND (0.34)	2.8	0.81	ND (0.27)	ND (0.35)	0.8	3.9	1.1	ND (0.34)	ND (0.27)	ND (0.36)	6.5	*0.29*	ND (0.30)
Fluorene	86-73-7	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.63*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	*0.62*	ND (0.33)	ND (0.30)
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	*0.31*	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.51*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	0.86	ND (0.33)	ND (0.30)
Naphthalene	91-20-3	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.27)	ND (0.35)	ND (0.35)	*0.52*	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	ND (0.36)	ND (0.33)	*ND (0.30)*
Phenanthrene	85-01-8	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)	0.87	0.99	ND (0.27)	ND (0.35)	ND (0.35)	3.6	ND (0.34)	ND (0.34)	ND (0.27)	ND (0.36)	1.8	ND (0.33)	ND (0.30)
Pyrene	129-00-0	ND (0.34)	ND (0.34)	*0.4*	ND (0.34)	3	0.71	0.57	ND (0.35)	0.89	3.3	0.92	ND (0.34)	ND (0.27)	ND (0.36)	5.7	ND (0.33)	ND (0.30)
METALS (mg/Kg)																		
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	9.6	10.8	6.4	13.2	15.3	11.6	4.2	9.2	12.3	11.7	8.3	8.9	1.4	7	6.4	14.9	5.2
Barium	7440-39-3	57	79.4	*34.5*	*50.7*	*72.9*	*110*	35.2	46	90.4	94.5	46.6	55	15	40.2	44.9	98.8	37.5
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	0.3	0.2	*0.12*	*0.19*	*0.26*	*0.1*	0.2	0.2	ND (0.05)	ND (0.05)	*0.3*	*0.6*	*0.2*	*0.8*	*0.4*	*0.8*	*0.4*
Chromium	7440-47-3	31.8	41.2	*24.1*	*31.3*	*39.9*	*65.5*	12.2	25.8	48.6	48.6	26.3	32	6.1	16.4	21.1	50.6	19.4
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	27.8	7.4	*26.1*	*28.4*	*91.4*	*39.1*	24.3	23	6.8	18	99.8	19.5	3.8	50	59.8	15.8	10
Mercury	7439-97-6	0.29	ND (0.04)	0.2	0.26	ND (0.03)	0.35	0.1	0.1	ND (0.05)	0.16	*0.56*	ND (0.04)	ND (0.04)	*0.54*	*0.63*	ND (0.04)	ND (0.03)
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	1.1	1.4	1	1.2	1.4	2.1	0.7	0.7	ND (1.35)	ND (0.85)	1.3	1.2	ND (0.15)	2.5	0.9	3.2	0.8
Silver	7440-22-4	*ND (0.35)*	*ND (0.30)*	*ND (0.12)*	*ND (0.13)*	*ND (0.07)*	*ND (0.08)*	*ND (0.09)*	*ND (0.25)*	0.9	1	ND (0.45)	ND (0.65)	ND (0.40)	ND (0.25)	ND (0.40)	ND (0.40)	ND (0.10)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		221-B16	221-B16	221-B17	221-B17	221-B18	221-B18	231-B01	231-B01	231-B02	231-B02	CST-B03	CST-B03	CST-B04	CST-B04	CST-B05	CST-B05	CST-B06
SAMPLING DATE	CAS	31-Aug-98	31-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	28-Aug-98	31-Aug-98	31-Aug-98	01-Sep-98	01-Sep-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98
SAMPLE DEPTH (FT.)	NUMBER	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	4.0-6.0	14.0-16.0	1.0-3.0	8.0-10.0	4.0-8.0	14.0-16.0	4.0-6.0	8.0-10.0	2.0-4.0	8.0-10.0	4.0-6.0	14.0-16.0	2.0-4.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																		
carbon ranges																		
C5-C8 Aliphatics	NA	ND (1.8)	ND (2.1)	ND (1.7)	ND (1.3)	ND (1.8)	ND (2.1)	ND (1.2)	*ND (2.1)*	*ND (1.6)*	*ND (2.0)*	ND (1.6)	ND (1.4)	ND (1.1)	ND (1.9)	ND (1.4)	ND (1.4)	ND (1.3)
C9-C12 Aliphatics	NA	ND (0.4)	*0.5*	ND (0.3)	ND (0.3)	ND (0.4)	0.2	ND (0.2)	*ND (0.4)*	*ND (0.3)*	*ND (0.4)*	ND (0.3)	ND (0.3)	*2.2*	ND (0.4)	ND (0.3)	ND (0.3)	ND (0.3)
C9-C10 Aromatics	NA	ND (0.6)	1.3	ND (0.5)	ND (0.4)	ND (0.6)	2.3	ND (0.4)	*ND (0.6)*	*ND (0.5)*	*2*	ND (0.5)	ND (0.4)	*2.3*	ND (0.6)	ND (0.4)	ND (0.4)	ND (0.4)
Methyl tert-butyl ether	1634-04-4																	
target analytes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																		
carbon ranges																		
C9-C18 Aliphatics	NA	ND (4.0)	ND (4.1)	ND (3.9)	ND (4.1)	ND (4.4)	ND (4.0)	ND (3.2)	ND (4.2)	ND (4.2)	35	ND (4.1)	ND (4.1)	ND (3.2)	ND (4.4)	ND (4.3)	ND (4.0)	*ND (3.6)*
C19-C36 Aliphatics	NA	ND (5.5)	ND (5.5)	ND (5.0)	ND (5.5)	ND (6.0)	ND (5.5)	78	51	ND (5.5)	63	ND (5.5)	ND (5.5)	ND (4.3)	ND (6.0)	ND (5.5)	ND (5.0)	ND (4.8)
C10-C22 Aromatics	NA	ND (11.5)	ND (11.5)	ND (11.0)	ND (11.5)	ND (70.0)	ND (18.0)	82	32	38	65	*22*	ND (11.5)	ND (9.0)	ND (12.5)	30	ND (11.0)	*ND (10.0)*
PCBs (mg/Kg)																		
Aroclor 1016	12674-11-2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	ND (0.02)	-	-
Aroclor 1242	53469-21-9	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	ND (0.02)	-	-
Aroclor 1248	12672-29-6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	ND (0.02)	-	-
Aroclor 1254	11097-69-1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	ND (0.02)	-	-
Aroclor 1260	11096-82-5	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.16	-	-	-	-	-	-	-	ND (0.02)	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		CST-B06(D)	CST-B06	CST-B07	CST-B07	CST-B07(D)	CST-B08	CST-B08	151-B01	151-B01	201-B02	201-B02	201-B03 (d)	201-B03
SAMPLING DATE	CAS	26-Aug-98	27-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	27-Aug-98	27-Aug-98	22-Apr-99	22-Apr-99	20-Jan-00	20-Jan-00	21-Jan-00	21-Jan-00
SAMPLE DEPTH (FT.)	NUMBER	2.0-4.0	8.0-10.0	5.0-7.0	14.0-16.0	14.0-16.0	4.0-6.0	14.0-16.0	2.0-4.0	10.0-12.0	2.0-4.0	10.0-12.0	0.0-2.0	8.0-10.0
VOCs (mg/Kg)														
1,2,4-Trichlorobenzene	120-82-1	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
2-Butanone	78-93-3	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.08)*	-	*ND (0.08)*
Acetone	67-64-1	-	-	-	0.46	0.36	ND (0.08)	-	0.28	-	-	*ND (0.08)*	-	*ND (0.08)*
Benzene	71-43-2	-	ND (0.10)	ND (0.08)	ND (0.07)	ND (0.11)	ND (0.08)	ND (0.08)	ND (0.12)	ND (0.15)	*ND (0.03)*	*ND (0.02)*	ND (0.03)	*ND (0.02)*
Chlorobenzene	108-90-7	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
Chloroform	67-66-3	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
Chloromethane	74-87-3	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.03)*	-	*ND (0.03)*
Ethylbenzene	100-41-4	-	ND (0.10)	ND (0.08)	ND (0.07)	ND (0.11)	ND (0.08)	ND (0.08)	ND (0.12)	ND (0.15)	*ND (0.03)*	*ND (0.02)*	ND (0.03)	*ND (0.02)*
Methyl tert-butyl ether	1634-04-4	-	ND (0.30)	ND (0.23)	ND (0.07)	ND (0.11)	ND (0.08)	ND (0.24)	ND (0.12)	ND (0.45)	*ND (0.03)*	*ND (0.02)*	ND (0.03)	*ND (0.02)*
Methylene chloride	75-09-2	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*0.016*	-	*0.023*
Naphthalene	91-20-3	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
Styrene	100-42-5	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
Tetrachloroethylene	127-18-4	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
Toluene	108-88-3	-	ND (0.30)	ND (0.23)	ND (0.07)	ND (0.11)	ND (0.08)	ND (0.24)	ND (0.12)	ND (0.45)	*ND (0.03)*	*ND (0.02)*	ND (0.03)	*ND (0.02)*
Trichloroethylene	79-01-6	-	-	-	ND (0.07)	ND (0.11)	ND (0.08)	-	ND (0.12)	-	-	*ND (0.02)*	-	*ND (0.02)*
Vinyl chloride	75-01-4	-	-	-	ND (0.01)	ND (0.02)	ND (0.02)	-	ND (0.02)	-	-	*ND (0.02)*	-	*ND (0.02)*
Xylenes, mixture	1330-20-7	-	ND (0.40)	ND (0.30)	ND (0.07)	ND (0.11)	ND (0.08)	ND (0.31)	ND (0.12)	ND (0.60)	*ND (0.03)*	*ND (0.02)*	ND (0.03)	*ND (0.02)*
SVOCs (mg/Kg)														
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	1	ND (0.34)	ND (0.15)	ND (0.16)	ND (0.1)	ND (0.17)
Acenaphthene	83-32-9	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	3.9	ND (0.34)	ND (0.15)	ND (0.16)	ND (0.1)	ND (0.17)
Acenaphthylene	208-96-8	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.15)	ND (0.16)	ND (0.1)	ND (0.17)
Anthracene	120-12-7	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	7.1	ND (0.34)	0.38	ND (0.16)	0.57	ND (0.17)
Benzo(a)anthracene	56-55-3	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	11	ND (0.34)	0.82	ND (0.16)	1.3	ND (0.17)
Benzo(a)pyrene	50-32-8	-	ND (0.32)	ND (0.30)	1.1	ND (0.34)	ND (0.32)	ND (0.32)	7	ND (0.34)	0.81	ND (0.16)	1.15	ND (0.17)
Benzo(b)fluoranthene	205-99-2	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	8.8	ND (0.34)	1.2	ND (0.16)	1.5	ND (0.17)
Benzo(g,h,i)perylene	191-24-2	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	2.9	ND (0.34)	0.41	ND (0.16)	0.765	ND (0.17)
Benzo(k)fluoranthene	207-08-9	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	3.2	ND (0.34)	0.44	ND (0.16)	0.535	ND (0.17)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	9.2	ND (0.34)	0.91	ND (0.16)	1.3	ND (0.17)
Dibenzo(a,h)anthracene	53-70-3	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	0.78	ND (0.34)	ND (0.15)	ND (0.16)	ND (0.1)	ND (0.17)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	30	ND (0.34)	1.6	ND (0.16)	2.65	ND (0.17)
Fluorene	86-73-7	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	3.8	ND (0.34)	ND (0.15)	ND (0.16)	ND (0.1)	ND (0.17)
Indeno(1,2,3-cd)pyrene	193-39-5	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	2.8	ND (0.34)	0.49	ND (0.16)	0.79	ND (0.17)
Naphthalene	91-20-3	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	1.7	ND (0.34)	ND (0.15)	ND (0.16)	ND (0.1)	ND (0.17)
Phenanthrene	85-01-8	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	29	ND (0.34)	0.88	ND (0.16)	2.15	ND (0.17)
Pyrene	129-00-0	-	ND (0.32)	ND (0.30)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.32)	26	ND (0.34)	1.4	ND (0.16)	2.4	ND (0.17)
METALS (mg/Kg)														
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	5.4	10.4	8.2	8.6	10.2	10.4	8.2	*6.1*	*11*	12	18	7.95	10
Barium	7440-39-3	44.9	44.8	50.7	47.6	33.4	67.9	57.6	70	51	*67*	*88*	*57*	*72*
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	*0.4*	ND (0.05)	*0.5*	*0.5*	*0.6*	ND (0.05)	ND (0.05)	0.6	0.6	*0.56*	ND (0.8)	*0.365*	ND (0.9)
Chromium	7440-47-3	22.1	26.4	26.7	26.7	21.8	35.7	32.2	25	33	*38*	*47*	*21*	*41*
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	12.7	10.4	13.4	34.8	21.8	ND (1.85)	ND (2.30)	100	20	*140*	*13*	*160*	*34*
Mercury	7439-97-6	ND (0.03)	ND (0.03)	*0.17*	*0.2*	ND (0.03)	ND (0.04)	ND (0.03)	ND (0.15)	ND (0.15)	*0.39*	*0.029*	*0.26*	*0.019*
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	*1*	1	1.2	0.6	1	8	0.9	2.5	2.7	ND (10.5)	*4.5*	5.75	*5.1*
Silver	7440-22-4	ND (0.15)	0.5	ND (0.10)	ND (0.15)	ND (0.10)	0.6	0.5	ND (1.5)	ND (1.5)	ND (3.5)	ND (4.0)	ND (3.4)	ND (4.2)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		CST-B06(D)	CST-B06	CST-B07	CST-B07	CST-B07(D)	CST-B08	CST-B08	151-B01	151-B01	201-B02	201-B02	201-B03 (d)	201-B03
SAMPLING DATE	CAS	26-Aug-98	27-Aug-98	26-Aug-98	26-Aug-98	26-Aug-98	27-Aug-98	27-Aug-98	22-Apr-99	22-Apr-99	20-Jan-00	20-Jan-00	21-Jan-00	21-Jan-00
SAMPLE DEPTH (FT.)	NUMBER	2.0-4.0	8.0-10.0	5.0-7.0	14.0-16.0	14.0-16.0	4.0-6.0	14.0-16.0	2.0-4.0	10.0-12.0	2.0-4.0	10.0-12.0	0.0-2.0	8.0-10.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)														
carbon ranges														
C5-C8 Aliphatics	NA	-	ND (2.0)	ND (1.5)	ND (1.5)	ND (2.1)	ND (1.6)	ND (1.8)	ND (2.2)	ND (2.2)	*ND (1.4)*	ND (1.6)	ND (1.3)	ND (1.6)
C9-C12 Aliphatics	NA	-	ND (0.4)	ND (0.3)	ND (0.3)	ND (0.4)	ND (0.3)	ND (0.4)	4	*0.3*	*ND (0.34)*	ND (0.39)	ND (0.35)	ND (0.38)
C9-C10 Aromatics	NA	-	ND (0.6)	ND (0.5)	ND (0.4)	ND (0.7)	ND (0.5)	ND (0.6)	24	3.4	*ND (0.34)*	ND (0.39)	ND (0.35)	ND (0.38)
Methyl tert-butyl ether	1634-04-4													
target analytes		-	-	-	-	-	-	-	-	-	ND (0.27)		ND (0.03)	
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	ND (0.27)		ND (0.03)	
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	ND (0.27)		ND (0.03)	
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	ND (0.27)		ND (0.03)	
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	ND (0.27)		ND (0.03)	
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	ND (0.27)		ND (0.03)	
EPH (mg/Kg)														
carbon ranges														
C9-C18 Aliphatics	NA	-	ND (3.9)	ND (3.6)	ND (4.1)	ND (4.0)	ND (3.9)	ND (4.2)	ND (1.8)	ND (2.0)	ND (28.5)	ND (31.5)	ND (27.5)	ND (33.0)
C19-C36 Aliphatics	NA	-	ND (5.0)	ND (4.8)	ND (5.5)	ND (5.5)	ND (5.0)	ND (5.5)	ND (2.3)	ND (2.7)	ND (28.5)	ND (31.5)	ND (27.5)	ND (33.0)
C10-C22 Aromatics	NA	-	ND (11.0)	ND (10.0)	ND (11.5)	ND (11.5)	ND (11.0)	ND (23.0)	220	ND (5.0)	ND (28.5)	ND (31.5)	44.5	ND (33.0)
PCBs (mg/Kg)														
Aroclor 1016	12674-11-2	-	-	-	-	-	-	-	ND (0.02)	-	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)
Aroclor 1242	53469-21-9	-	-	-	-	-	-	-	ND (0.02)	-	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)
Aroclor 1248	12672-29-6	-	-	-	-	-	-	-	ND (0.02)	-	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)
Aroclor 1254	11097-69-1	-	-	-	-	-	-	-	ND (0.02)	-	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)
Aroclor 1260	11096-82-5	-	-	-	-	-	-	-	ND (0.02)	-	0.11	ND (0.02)	0.0735	ND (0.02)

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		201-B04 (RE)	201-B04	201-B05	201-B05	201-B06	201-B06	201-B07	201-B07	201-B08	201-B08	201-B09	201-B09	202-B01	202-B01/W01-1	202-B01/W01-2	202-B01/W01-3	202-B01
SAMPLING DATE	CAS	19-Jan-00	19-Jan-00	20-Jan-00	20-Jan-00	24-Jan-00	24-Jan-00	20-Jan-00	20-Jan-00	21-Jan-00	21-Jan-00	28-Jan-00	28-Jan-00	21-Jan-00	18-May-00	18-May-00	18-May-00	21-Jan-00
SAMPLE DEPTH (FT.)	NUMBER	2.0-4.0	6.0-8.0	4.0-6.0	14.0-16.0	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	0.0-2.0	6.0-8.0	0.0-2.0	18.0-20.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	10.0-12.0
VOCs (mg/Kg)																		
1,2,4-Trichlorobenzene	120-82-1	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
2-Butanone	78-93-3	-	*ND (0.08)*	*ND (0.08)*	-	-	*ND (0.08)*	*ND (0.07)*	-	*ND (0.06)*	-	*ND (0.80)*	-	-	-	-	-	*ND (0.08)*
Acetone	67-64-1	-	*ND (0.08)*	*ND (0.08)*	-	-	*ND (0.08)*	*ND (0.07)*	-	*ND (0.06)*	-	*ND (0.80)*	-	-	-	-	-	*ND (0.08)*
Benzene	71-43-2	ND (0.03)	*ND (0.02)*	*ND (0.02)*	ND (0.03)	ND (0.03)	*ND (0.02)*	*0.028*	ND (0.03)	*0.19*	ND (0.03)	*ND (0.16)*	ND (0.03)	ND (0.03)	-	-	-	*ND (0.02)*
Chlorobenzene	108-90-7	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Chloroform	67-66-3	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*0.041*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Chloromethane	74-87-3	-	*ND (0.03)*	*ND (0.03)*	-	-	*ND (0.03)*	*ND (0.03)*	-	*ND (0.02)*	-	*ND (0.32)*	-	-	-	-	-	*ND (0.03)*
Ethylbenzene	100-41-4	ND (0.03)	*ND (0.02)*	*ND (0.02)*	ND (0.03)	ND (0.03)	*ND (0.02)*	*0.015*	ND (0.03)	*0.044*	ND (0.03)	*ND (0.16)*	ND (0.03)	ND (0.03)	-	-	-	*ND (0.02)*
Methyl tert-butyl ether	1634-04-4	ND (0.03)	*ND (0.02)*	*ND (0.02)*	ND (0.03)	ND (0.03)	*ND (0.02)*	*ND (0.01)*	ND (0.03)	*ND (0.01)*	ND (0.03)	*ND (0.16)*	ND (0.03)	ND (0.03)	-	-	-	*ND (0.02)*
Methylene chloride	75-09-2	-	*0.017*	*ND (0.03)*	-	-	*ND (0.03)*	*ND (0.03)*	-	*ND (0.02)*	-	*0.39*	-	-	-	-	-	*ND (0.03)*
Naphthalene	91-20-3	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Styrene	100-42-5	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Tetrachloroethylene	127-18-4	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Toluene	108-88-3	ND (0.03)	*ND (0.02)*	*ND (0.02)*	ND (0.03)	ND (0.03)	*ND (0.02)*	*0.066*	ND (0.03)	*0.28*	ND (0.03)	*ND (0.16)*	ND (0.03)	ND (0.03)	-	-	-	*ND (0.02)*
Trichloroethylene	79-01-6	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*0.029*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Vinyl chloride	75-01-4	-	*ND (0.02)*	*ND (0.02)*	-	-	*ND (0.02)*	*ND (0.01)*	-	*ND (0.01)*	-	*ND (0.16)*	-	-	-	-	-	*ND (0.02)*
Xylenes, mixture	1330-20-7	ND (0.03)	*ND (0.02)*	*ND (0.02)*	ND (0.03)	ND (0.03)	*ND (0.02)*	*0.12*	ND (0.03)	*0.3*	ND (0.03)	*0.48*	ND (0.03)	ND (0.03)	-	-	-	*ND (0.02)*
SVOCs (mg/Kg)																		
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.76	ND (0.16)	0.33	ND (0.16)	64	ND (0.16)	0.66	-	-	-	ND (0.16)
Acenaphthene	83-32-9	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.64	ND (0.16)	ND (0.13)	ND (0.16)	35	ND (0.16)	2.1	-	-	-	ND (0.16)
Acenaphthylene	208-96-8	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.32	ND (0.16)	0.85	ND (0.16)	19	ND (0.16)	0.47	-	-	-	ND (0.16)
Anthracene	120-12-7	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	2.1	ND (0.16)	0.98	ND (0.16)	120	ND (0.16)	4.5	-	-	-	ND (0.16)
Benzo(a)anthracene	56-55-3	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	2.5	ND (0.16)	2.2	ND (0.16)	110	ND (0.16)	8.4	-	-	-	ND (0.16)
Benzo(a)pyrene	50-32-8	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	2.2	ND (0.16)	2	ND (0.16)	76	ND (0.16)	6.7	-	-	-	ND (0.16)
Benzo(b)fluoranthene	205-99-2	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	2.7	ND (0.16)	3.2	ND (0.16)	110	ND (0.16)	8.7	-	-	-	ND (0.16)
Benzo(g,h,i)perylene	191-24-2	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.92	ND (0.16)	0.91	ND (0.16)	20	ND (0.16)	2.5	-	-	-	ND (0.16)
Benzo(k)fluoranthene	207-08-9	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.91	ND (0.16)	1.2	ND (0.16)	7.7	ND (0.16)	3.1	-	-	-	ND (0.16)
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	2.1	ND (0.16)	2.4	ND (0.16)	100	ND (0.16)	7.1	-	-	-	ND (0.16)
Dibenzo(a,h)anthracene	53-70-3	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	0.33	ND (0.16)	12	ND (0.16)	0.79	-	-	-	ND (0.16)
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	5.8	ND (0.16)	5.1	ND (0.16)	300	ND (0.16)	17	-	-	-	ND (0.16)
Fluorene	86-73-7	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.86	ND (0.16)	ND (0.13)	ND (0.16)	86	ND (0.16)	2	-	-	-	ND (0.16)
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	1.1	ND (0.16)	1.2	ND (0.16)	28	ND (0.16)	3	-	-	-	ND (0.16)
Naphthalene	91-20-3	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	0.62	ND (0.16)	0.48	ND (0.16)	160	ND (0.16)	1.5	-	-	-	ND (0.16)
Phenanthrene	85-01-8	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	5.8	ND (0.16)	2	ND (0.16)	340	ND (0.16)	16	-	-	-	ND (0.16)
Pyrene	129-00-0	ND (0.14)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	4.9	ND (0.16)	3.9	ND (0.16)	200	ND (0.16)	14	-	-	-	ND (0.16)
METALS (mg/Kg)																		
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	5.1	12	8.4	6.4	13	8.9	11	10	8.9	14	18	19	-	ND (3.2)	7.2	ND (3.5)	10
Barium	7440-39-3	*38*	*76*	*71*	*20*	*69*	*57*	*120*	*86*	*46*	*68*	*150*	*130*	-	220	130	170	*49*
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	ND (0.7)	ND (0.8)	ND (0.8)	ND (0.9)	ND (0.8)	ND (0.8)	*0.58*	ND (0.8)	ND (0.7)	ND (0.8)	*0.56*	ND (0.8)	-	2	1.3	1.6	ND (0.8)
Chromium	7440-47-3	*64*	*42*	*39*	*19*	*43*	*37*	*13*	*42*	*19*	*41*	*61*	*56*	-	90	51	32	*32*
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	*43*	*14*	*23*	*18*	*14*	25	*390*	*15*	*130*	*12*	*490*	*14*	-	580	550	630	*17*
Mercury	7439-97-6	*0.23*	*0.05*	*0.11*	*0.075*	ND (0.3)	*0.1*	3.9	*0.16*	*0.26*	*0.025*	*0.59*	ND (0.3)	-	0.85	0.68	0.78	*0.04*
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	*1.5*	*4.2*	*3.3*	*3*	ND (11.5)	ND (11.5)	ND (11.0)	*5.1*	ND (9.5)	*4.4*	ND (12.0)	*4.3*	-	ND (5)	ND (6)	ND (6)	*4.8*
Silver	7440-22-4	*0.21*	ND (4.0)	ND (4.0)	ND (4.3)	ND (3.9)	ND (3.9)	ND (3.7)	ND (2.0)	ND (3.2)	ND (3.9)	*0.36*	ND (4.1)	-	ND (0.9)	ND (1)	ND (1)	ND (3.9)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		201-B04 (RE)	201-B04	201-B05	201-B05	201-B06	201-B06	201-B07	201-B07	201-B08	201-B08	201-B09	201-B09	202-B01	202-B01/W01-1	202-B01/W01-2	202-B01/W01-3	202-B01
SAMPLING DATE	CAS	19-Jan-00	19-Jan-00	20-Jan-00	20-Jan-00	24-Jan-00	24-Jan-00	20-Jan-00	20-Jan-00	21-Jan-00	21-Jan-00	28-Jan-00	28-Jan-00	21-Jan-00	18-May-00	18-May-00	18-May-00	21-Jan-00
SAMPLE DEPTH (FT.)	NUMBER	2.0-4.0	6.0-8.0	4.0-6.0	14.0-16.0	4.0-6.0	14.0-16.0	2.0-4.0	8.0-10.0	0.0-2.0	6.0-8.0	0.0-2.0	18.0-20.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	10.0-12.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																		
carbon ranges																		
C5-C8 Aliphatics	NA	ND (1.3)	*ND (1.6)*	*ND (1.6)*	ND (1.7)	ND (1.6)	*ND (1.5)*	*ND (1.5)*	*ND (1.5)*	ND (1.2)	ND (1.6)	ND (16.0)	ND (1.6)	ND (1.4)	-	-	-	ND (1.5)
C9-C12 Aliphatics	NA	ND (0.33)	*ND (0.41)*	*ND (0.40)*	ND (0.42)	ND (0.39)	*ND (0.38)*	*ND (0.36)*	*ND (0.38)*	0.87	ND (0.39)	ND (3.95)	ND (0.39)	ND (0.34)	-	-	-	ND (0.38)
C9-C10 Aromatics	NA	ND (0.33)	ND (0.41)	*ND (0.40)*	ND (0.42)	ND (0.39)	*ND (0.38)*	*ND (0.36)*	ND (0.38)	0.67	ND (0.39)	14	ND (0.39)	ND (0.34)	-	-	-	ND (0.38)
Methyl tert-butyl ether	1634-04-4	ND (0.03)			ND (0.03)	ND (0.03)			ND (0.03)		ND (0.03)		ND (0.03)	ND (0.03)	-	-	-	-
target analytes																		
Benzene	71-43-2	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	-	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	-	-
Toluene	108-88-3	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	-	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	-	-
Ethylbenzene	100-41-4	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	-	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	-	-
Xylenes, mixture	1330-20-7	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	-	ND (0.03)	-	ND (0.03)	ND (0.03)	-	-	-	-
Naphthalene	91-20-3	ND (0.03)	-	-	ND (0.03)	ND (0.03)	-	-	ND (0.03)	-	ND (0.03)	-	ND (0.03)	1.1	-	-	-	-
EPH (mg/Kg)																		
carbon ranges																		
C9-C18 Aliphatics	NA	ND (27.0)	ND (33.0)	ND (32.0)	ND (33.0)	ND (32.0)	ND (31.5)	ND (30.0)	ND (32.0)	ND (26.0)	ND (32.0)	ND (35.5)	ND (32.0)	ND (27)	-	-	-	ND (32.5)
C19-C36 Aliphatics	NA	ND (27.0)	ND (33.0)	ND (32.0)	ND (33.0)	ND (32.0)	ND (31.5)	ND (30.0)	ND (32.0)	ND (26.0)	ND (32.0)	130	ND (32.0)	100	-	-	-	ND (32.5)
C10-C22 Aromatics	NA	ND (27.0)	ND (33.0)	ND (32.0)	ND (33.0)	ND (32.0)	ND (31.5)	99	ND (32.0)	97	ND (32.0)	3200	ND (32.0)	240	-	-	-	ND (32.5)
PCBs (mg/Kg)																		
Aroclor 1016	12674-11-2	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	-	-	-	ND (0.02)
Aroclor 1242	53469-21-9	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	-	-	-	ND (0.02)
Aroclor 1248	12672-29-6	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	-	-	-	ND (0.02)
Aroclor 1254	11097-69-1	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	-	-	-	ND (0.02)
Aroclor 1260	11096-82-5	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	*0.024*	*0.11*	ND (0.02)	0.14	ND (0.01)	0.071	ND (0.02)	0.11	-	-	-	ND (0.02)

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		202-B02	202-B02	211-B01	211-B01 (D)	211-B01	211-B01	211-B02	211-B03	211-B06	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17	S-18
SAMPLING DATE	CAS	27-Jan-00	27-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00
SAMPLE DEPTH (FT.)	NUMBER	1.0-3.0	6.0-8.0	2.0-4.0	2.0-4.0	10.0-12.0	10.0-14.0	4.0-6.0	12.0-14.0	14.0-16.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0
VOCs (mg/Kg)																			
1,2,4-Trichlorobenzene	120-82-1	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	78-93-3	*ND (0.07)*	-	*ND (0.07)*	ND (0.07)	-	-	*ND (0.08)*	-	-	ND (0.07)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)
Acetone	67-64-1	*ND (0.07)*	-	*ND (0.07)*	ND (0.07)	-	-	*ND (0.08)*	-	-	3.7	ND (0.03)	0.52	ND (0.027)	0.49	ND (0.03)	0.33	ND (0.03)	ND (0.03)
Benzene	71-43-2	*ND (0.01)*	ND (0.03)	*ND (0.01)*	0.03	ND (0.03)	-	*ND (0.02)*	ND (0.03)	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	0.0078	ND (0.003)	ND (0.003)
Chlorobenzene	108-90-7	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	ND (0.01)	ND (0.003)	0.0066	ND (0.003)	ND (0.003)	ND (0.003)	0.007	ND (0.003)	ND (0.003)
Chloroform	67-66-3	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Chloromethane	74-87-3	*ND (0.03)*	-	*ND (0.03)*	ND (0.03)	-	-	*ND (0.03)*	-	-	ND (0.03)	ND (0.01)	ND (0.006)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Ethylbenzene	100-41-4	*ND (0.01)*	ND (0.03)	*ND (0.01)*	*0.013*	ND (0.03)	-	*ND (0.02)*	ND (0.03)	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	0.036	ND (0.003)	ND (0.003)
Methyl tert-butyl ether	1634-04-4	*ND (0.01)*	ND (0.03)	*ND (0.01)*	ND (0.01)	ND (0.03)	-	*ND (0.02)*	ND (0.03)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	75-09-2	*0.059*	-	*ND (0.03)*	ND (0.03)	-	-	*ND (0.03)*	-	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Naphthalene	91-20-3	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	-	-	-	-	-	-	-	-	ND (0.003)
Styrene	100-42-5	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Tetrachloroethylene	127-18-4	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Toluene	108-88-3	*0.017*	ND (0.03)	*ND (0.01)*	0.051	ND (0.03)	-	*ND (0.02)*	ND (0.03)	-	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	0.014	ND (0.003)	ND (0.003)
Trichloroethylene	79-01-6	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	ND (0.01)	0.019	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Vinyl chloride	75-01-4	*ND (0.01)*	-	*ND (0.01)*	ND (0.01)	-	-	*ND (0.02)*	-	-	ND (0.03)	ND (0.003)	ND (0.006)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Xylenes, mixture	1330-20-7	*0.022*	ND (0.03)	*ND (0.01)*	0.091	ND (0.03)	-	*ND (0.02)*	ND (0.03)	-	ND (0.03)	ND (0.003)	ND (0.006)	ND (0.01)	ND (0.01)	ND (0.01)	0.056	ND (0.01)	ND (0.01)
SVOCs (mg/Kg)																			
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.14)	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.06*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	ND (0.20)	7	ND (0.19)	ND (0.20)
Acenaphthene	83-32-9	ND (0.16)	ND (0.17)	0.29	ND (0.14)	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.047*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	*0.33*	***18***	*0.22*	0.4
Acenaphthylene	208-96-8	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.14)	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.2*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.20)
Anthracene	120-12-7	ND (0.16)	ND (0.17)	0.85	0.76	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.27*	*0.32*	ND (0.20)	ND (0.19)	ND (0.20)	0.75	***28***	0.65	1
Benzo(a)anthracene	56-55-3	0.45	ND (0.17)	1.6	1.4	ND (0.16)	-	ND (0.16)	ND (0.17)	-	1	1.3	0.51	0.42	0.72	3	***28***	2.4	1.7
Benzo(a)pyrene	50-32-8	0.41	ND (0.17)	1.5	1.3	ND (0.16)	-	ND (0.16)	ND (0.17)	-	0.86	1.5	0.62	0.49	0.74	2.8	***26***	2.2	1.8
Benzo(b)fluoranthene	205-99-2	0.49	ND (0.17)	2	1.9	ND (0.16)	-	ND (0.16)	ND (0.17)	-	0.98	1.2	0.46	0.5	0.62	3	***23***	2.5	1.3
Benzo(g,h,i)perylene	191-24-2	ND (0.16)	ND (0.17)	0.66	0.53	ND (0.16)	-	ND (0.16)	ND (0.17)	-	0.64	0.75	0.42	*0.25*	0.48	0.88	***15***	0.86	1
Benzo(k)fluoranthene	207-08-9	ND (0.16)	ND (0.17)	0.77	0.6	ND (0.16)	-	ND (0.16)	ND (0.17)	-	1	1.4	0.52	0.47	0.58	2.6	***22***	2.1	1.6
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	*0.06*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.20)
Chrysene	218-01-9	0.41	ND (0.17)	1.5	1.4	ND (0.16)	-	ND (0.16)	ND (0.17)	-	1.1	1.5	0.55	0.51	0.7	3	***24***	2.7	1.7
Dibenzo(a,h)anthracene	53-70-3	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.14)	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.26*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	*0.38*	5.8	*0.3*	0.43
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	*0.084*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	*0.31*	***15***	*0.2*	ND (0.20)
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	ND (0.19)	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.20)
Fluoranthene	206-44-0	0.91	ND (0.17)	3.4	3	ND (0.16)	-	ND (0.16)	ND (0.17)	-	1.8	2.6	1.1	0.73	1.5	5.8	***72***	5.5	3.9
Fluorene	86-73-7	ND (0.16)	ND (0.17)	0.29	ND (0.14)	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.068*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	*0.34*	***19***	*0.27*	ND (0.20)
Indeno(1,2,3-cd)pyrene	193-39-5	ND (0.16)	ND (0.17)	0.77	0.63	ND (0.16)	-	ND (0.16)	ND (0.17)	-	0.78	0.72	ND (0.20)	ND (0.19)	ND (0.20)	0.53	9.9	0.56	0.75
Naphthalene	91-20-3	ND (0.16)	ND (0.17)	0.35	0.32	ND (0.16)	-	ND (0.16)	ND (0.17)	-	*0.07*	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.20)	*0.3*	***16***	ND (0.19)	ND (0.20)
Phenanthrene	85-01-8	0.53	ND (0.17)	3	2.4	ND (0.16)	-	ND (0.16)	ND (0.17)	-	0.72	1.4	0.41	*0.35*	1.2	3.2	***97***	2.9	3.5
Pyrene	129-00-0	0.83	ND (0.17)	3.1	2.6	ND (0.16)	-	ND (0.16)	ND (0.17)	-	1.7	2.4	0.93	0.69	1.2	6.3	***62***	5.3	3.1
METALS (mg/Kg)																			
Antimony	7440-36-0	-	-			-	-	-	-	-	19	1.7	2.6	0.5	0.6	0.98	0.51	2	2
Arsenic	7440-38-2	10	14	7.1	6	9.7	-	6.6	14	-	11	9.4	5.6	7.5	7.4	9.3	8.8	10	7.2
Barium	7440-39-3	*75*	*87*	*63*	*56*	*53*	-	*39*	*40*	-	-	-	-	-	-	-	-	-	-
Beryllium	7440-41-7	-	-			-	-	-	-	-	0.32	0.51	0.37	0.58	1.3	0.47	0.29	0.44	0.35
Cadmium	7440-43-9	ND (0.8)	ND (0.8)	*0.21*	*0.21*	ND (0.8)	-	ND (0.8)	ND (0.8)	-	0.73	0.87	0.27	0.43	0.33	1	0.24	0.77	0.091
Chromium	7440-47-3	*18*	*47*	*26*	*21*	*28*	-	*17*	*30*	-	25	26	17	24	14	17	11	19	20
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	120	81	60	69	56	85	64	120	*51*
Lead	7439-92-1	*270*	*29*	160	160	71	-	19	100	-	600	180	94	300	94	160	760	160	*330*
Mercury	7439-97-6	*0.024*	*0.77*	0.52	0.7	*0.45*	-	*0.044*	*0.13*	-	0.77	0.27	0.087	0.58	0.07	0.9	3.2	0.17	7.6
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	18	22	15	17	14	17	9.8	20	15
Selenium	7782-49-2	ND (11.5)	ND (12.0)	ND (10.0)	ND (9.5)	ND (11.5)	-	ND (11.5)	ND (12.5)	-	0.73	ND (0.5)	0.57	0.72	0.69	ND (0.6)	3.5	0.74	ND (0.6)
Silver	7440-22-4	ND (3.9)	ND (4.1)	*0.19*	ND (3.3)	ND (3.8)	-	ND (3.8)	*1.2*	-	0.19	ND (0.5)	ND (0.55)	ND (0.55)	ND (0.5)	ND (0.6)	0.11	ND (0.55)	ND (0.6)
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	ND (0.55)	0.91	0.53	0.48	0.96	1.1	ND (0.5)	0.5	1
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	160	220	230	110	110	200	150	110	*160*

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		202-B02	202-B02	211-B01	211-B01 (D)	211-B01	211-B01	211-B02	211-B03	211-B06	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17	S-18
SAMPLING DATE	CAS	27-Jan-00	27-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	24-Jan-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00
SAMPLE DEPTH (FT.)	NUMBER	1.0-3.0	6.0-8.0	2.0-4.0	2.0-4.0	10.0-12.0	10.0-14.0	4.0-6.0	12.0-14.0	14.0-16.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	1200	160	140	34	820	260	390	160	130
VPH (mg/Kg)																			
carbon ranges																			
C5-C8 Aliphatics	NA	ND (1.5)	ND (1.6)	ND (1.4)	ND (1.3)	ND (1.6)	-	ND (1.5)	ND (1.6)	ND (1.5)	-	-	-	-	-	-	-	-	-
C9-C12 Aliphatics	NA	ND (0.36)	ND (0.40)	ND (0.34)	ND (0.33)	ND (0.40)	-	ND (0.38)	ND (0.40)	ND (0.38)	-	-	-	-	-	-	-	-	-
C9-C10 Aromatics	NA	ND (0.36)	ND (0.40)	ND (0.34)	ND (0.33)	ND (0.40)	-	ND (0.38)	ND (0.40)	ND (0.38)	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether	1634-04-4	-	ND (0.03)	-	-	ND (0.03)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	-
target analytes																			
Benzene	71-43-2	-	ND (0.03)	-	-	ND (0.03)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	ND (0.03)	-	-	ND (0.03)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	ND (0.03)	-	-	ND (0.03)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	ND (0.03)	-	-	ND (0.03)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	ND (0.03)	-	-	ND (0.03)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																			
carbon ranges																			
C9-C18 Aliphatics	NA	ND (31.0)	ND (33.5)	ND (27.5)	ND (26.5)	ND (32)	ND (33)	ND (31)	ND (32.5)	ND (31.5)	**168**	**22.4**	**19.6**	**4.76**	**114.8**	**36.4**	**54.6**	**22.4**	-
C19-C36 Aliphatics	NA	ND (31.0)	ND (33.5)	70	91	ND (32)	ND (33)	ND (31)	ND (32.5)	ND (31.5)	**372**	**49.6**	**43.4**	**10.54**	**254.2**	**80.6**	**120.9**	**49.6**	-
C10-C22 Aromatics	NA	ND (31.0)	ND (33.5)	68	62	ND (32)	ND (33)	ND (31)	ND (32.5)	ND (31.5)	**672**	**89.6**	**78.4**	**19.04**	**459.2**	**145.6**	**218.4**	**89.6**	-
PCBs (mg/Kg)																			
Aroclor 1016	12674-11-2	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	-	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.02)
Aroclor 1242	53469-21-9	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	-	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.02)
Aroclor 1248	12672-29-6	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	-	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.02)
Aroclor 1254	11097-69-1	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	-	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.02)
Aroclor 1260	11096-82-5	ND (0.02)	ND (0.02)	0.036	0.037	ND (0.02)	-	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	*0.018*	ND (0.02)

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		S-18D	S-4	S-4D	S-5	S-5D	S-6	S-7	S-B1	S-B2	S-B3	S-B8	S-B9	B-16-1	B-16-2	B-16-3	B-16-4 C(DL)	B101-S5	B102-S1	B102-S3
SAMPLING DATE	CAS	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	10-May-00	11-May-00	11-May-00	11-May-00	19-Jun-00	19-Jun-00	19-Jun-00
SAMPLE DEPTH (FT.)	NUMBER	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	8.0-10.0	0-2	4.0-6.0
VOCs (mg/Kg)																				
1,2,4-Trichlorobenzene	120-82-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	78-93-3	ND (0.01)	ND (0.08)	ND (0.08)	ND (0.02)	ND (0.02)	ND (0.03)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	-	-	-	-	-	-	-
Acetone	67-64-1	ND (0.03)	2.4	2.2	ND (0.03)	ND (0.03)	***1.7***	***3***	0.53	1	***3.8***	0.35	1.2	-	-	-	-	-	-	-
Benzene	71-43-2	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.02)	ND (0.003)	0.018	0.0071	ND (0.003)	0.0078	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	0.0063	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	0.0091	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Chloroform	67-66-3	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Chloromethane	74-87-3	ND (0.01)	ND (0.03)	ND (0.03)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Methyl tert-butyl ether	1634-04-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	75-09-2	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Naphthalene	91-20-3	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	-	-	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-
Styrene	100-42-5	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Tetrachloroethylene	127-18-4	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Toluene	108-88-3	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	ND (0.003)	ND (0.02)	ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	-	-	-	-	-	-
Vinyl chloride	75-01-4	ND (0.01)	ND (0.03)	ND (0.03)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	ND (0.01)	ND (0.03)	ND (0.03)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
SVOCs (mg/Kg)																				
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	*0.053*	ND (0.21)	ND (1.0)	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	*0.093*	ND (0.21)	ND (1.0)	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	ND (0.21)	ND (0.21)	*0.4*	-	-	-
2-Methylnaphthalene	91-57-6	ND (0.20)	ND (0.20)	*0.046*	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.20)	*0.04*	ND (0.20)	ND (0.22)	*0.075*	0.55	*0.1*	ND (0.21)	*0.05*	*0.86*	-	-	-
Acenaphthene	83-32-9	ND (0.20)	*0.078*	*0.074*	0.43	*0.3*	0.54	*0.83*	*0.11*	ND (0.20)	ND (0.22)	*0.27*	1.7	*0.25*	*0.089*	*0.15*	*3.3*	-	-	-
Acenaphthylene	208-96-8	ND (0.20)	*0.11*	*0.089*	ND (0.20)	ND (0.21)	0.6	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.22)	*0.045*	*0.073*	*0.06*	ND (0.21)	ND (0.21)	*0.29*	-	-	-
Anthracene	120-12-7	1.2	*0.2*	*0.21*	0.75	0.67	1.3	*0.91*	*0.17*	*0.45*	*0.1*	*0.39*	1.3	0.5	*0.17*	*0.3*	6.8	-	-	-
Benzo(a)anthracene	56-55-3	1.8	0.8	1.5	1.2	1.2	3.5	2.7	*0.38*	*0.94*	*0.23*	1.1	5.9	1.4	0.44	0.52	18	-	-	-
Benzo(a)pyrene	50-32-8	2	0.72	1.8	1.4	1.3	3.7	2.6	*0.29*	*0.8*	*0.18*	0.67	5.2	1.3	0.48	0.46	14	-	-	-
Benzo(b)fluoranthene	205-99-2	1.2	1.2	1.4	1.2	1.1	3	2.5	*0.24*	*0.78*	*0.18*	0.88	3.9	1.3	*0.39*	*0.38*	16	-	-	-
Benzo(g,h,i)perylene	191-24-2	1	0.45	1.4	0.45	0.71	2.1	1.7	*0.15*	*0.47*	*0.11*	0.61	2.5	0.81	*0.36*	*0.27*	8.1	-	-	-
Benzo(k)fluoranthene	207-08-9	1.9	ND (0.20)	9.4	1	1.1	3.7	2.2	*0.2*	0.62	*0.14*	0.74	4.6	1.2	0.42	*0.38*	11	-	-	-
Bis(2-ethylhexyl)phthalate	117-81-7	ND (0.20)	ND (0.20)	ND (0.21)	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.22)	ND (0.20)	*0.08*	ND (0.18)	*0.26*	*0.13*	3.3	-	-	-
Chrysene	218-01-9	1.9	0.83	2.2	1.3	1.3	3.7	2.7	*0.34*	0.74	*0.24*	1.1	5.7	1.6	0.46	0.52	19	-	-	-
Dibenzo(a,h)anthracene	53-70-3	0.43	*0.2*	0.69	ND (0.20)	ND (0.21)	0.87	*0.72*	ND (0.20)	ND (0.20)	ND (0.22)	*0.2*	0.96	*0.24*	*0.23*	*0.14*	2.8	-	-	-
Dibenzofuran	132-64-9	ND (0.20)	*0.063*	*0.064*	*0.29*	*0.27*	0.49	*0.41*	*0.076*	ND (0.20)	ND (0.22)	*0.17*	1	*0.17*	*0.066*	*0.11*	*2.1*	-	-	-
Di-n-butylphthalate	84-74-2	ND (0.20)	ND (0.20)	*0.061*	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.22)	ND (0.20)	ND (0.19)	ND (0.18)	*0.11*	ND (0.21)	*0.27*	-	-	-
Fluoranthene	206-44-0	4.2	1.4	1.5	3.1	2.7	6	5.9	0.83	1.8	0.5	2.2	11	2.8	0.75	1.1	4.3	-	-	-
Fluorene	86-73-7	ND (0.20)	*0.07*	*0.084*	0.48	0.42	0.58	*0.6*	*0.11*	ND (0.20)	ND (0.22)	*0.2*	1.4	*0.22*	*0.11*	*0.16*	*3*	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	0.82	0.5	1.1	ND (0.20)	*0.31*	1.6	2	*0.16*	*0.52*	*0.13*	0.65	3	0.81	*0.36*	*0.27*	7.2	-	-	-
Naphthalene	91-20-3	ND (0.20)	*0.038*	ND (0.21)	*0.26*	ND (0.21)	0.6	ND (0.20)	*0.064*	ND (0.20)	ND (0.22)	*0.26*	1.8	*0.12*	ND (0.21)	*0.085*	*19*	-	-	-
Phenanthrene	85-01-8	3.4	0.72	0.82	2.6	2.2	4.7	5.1	0.64	1.6	*0.37*	1.5	8.9	2.4	0.6	1.2	35	-	-	-
Pyrene	129-00-0	3.1	1.2	1.5	3.8	4	5.5	5	0.65	1.7	*0.42*	2.2	10	2.8	0.79	1.1	3.6	-	-	-
METALS (mg/Kg)																				
Antimony	7440-36-0	*0.96*	*2.2*	*2*	*0.85*	*2.1*	1.2	3.5	0.34	1.5	1.5	1.7	0.87	-	-	-	-	-	-	-
Arsenic	7440-38-2	8	14	15	23	16	9.7	12	9.2	13	16	6.2	9.1	-	-	-	-	-	-	-
Barium	7440-39-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	7440-41-7	0.48	0.56	0.57	0.32	0.43	0.96	0.32	0.65	0.58	0.54	0.55	0.55	-	-	-	-	-	-	-
Cadmium	7440-43-9	0.2	1	1.4	1.5	0.8	0.25	1.8	0.24	0.82	1.2	0.31	0.33	-	-	-	-	-	-	-
Chromium	7440-47-3	21	22	27	11	15	22	19	15	13	14	13	26	-	-	-	-	-	-	-
Copper	7440-50-8	*62*	160	230	*83*	*120*	92	120	100	110	73	230	52	-	-	-	-	-	-	-
Lead	7439-92-1	*310*	*440*	*630*	9000	490	180	1500	290	250	1000	300	220	-	-	-	-	-	-	-
Mercury	7439-97-6	5.3	2.1	8.4	2.96	9.37	0.54	3.4	6.3	4.9	0.89	1.2	0.68	-	-	-	-	-	-	-
Nickel	7440-02-0	17	20	23	18	20	20	14	19	37	25	11	15	-	-	-	-	-	-	-
Selenium	7782-49-2	0.83	1.5	1.5	2	1.9	0.44	1	1.9	2.6	3	ND (0.55)	0.43	-	-	-	-	-	-	-
Silver	7440-22-4	ND (0.55)	0.44	0.51	0.24	ND (0.65)	ND (0.55)	0.64	1.2	0.36	0.41	0.18	0.28	-	-	-	-	-	-	-
Thallium	7440-28-0	0.68	0.66	0.56	1.1	0.68	0.87	ND (0.55)	ND (0.55)	ND (0.6)	ND (0.65)	ND (0.55)	ND (0.55)	-	-	-	-	-	-	-
Zinc	7440-66-6	*170*	*470*	*470*	1900	330	220	710	160	570	860	240	310	-	-	-	-	-	-	-

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		S-18D	S-4	S-4D	S-5	S-5D	S-6	S-7	S-B1	S-B2	S-B3	S-B8	S-B9	B-16-1	B-16-2	B-16-3	B-16-4 C(DL)	B101-S5	B102-S1	B102-S3
SAMPLING DATE	CAS	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	Apr-00	10-May-00	11-May-00	11-May-00	11-May-00	19-Jun-00	19-Jun-00	19-Jun-00
SAMPLE DEPTH (FT.)	NUMBER	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	8.0-10.0	0-2	4.0-6.0
TPH (mg/Kg)	NA	ND (60)	270	180	3600	9500	270	345	ND (60)	705	ND (65)	240	360	-	-	-	-	-	-	-
VPH (mg/Kg)																				
carbon ranges																				
C5-C8 Aliphatics	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C12 Aliphatics	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C10 Aromatics	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether	1634-04-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
target analytes																				
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																				
carbon ranges																				
C9-C18 Aliphatics	NA	-	-	-	-	-	**37.8**	**48.3**	**ND (60)**	**98.7**	**ND (65)**	**33.6**	**50.4**					-	-	-
C19-C36 Aliphatics	NA	-	-	-	-	-	**83.7**	**106.95**	**ND (60)**	**218.55**	**ND (65)**	**74.4**	**111.6**					-	-	-
C10-C22 Aromatics	NA	-	-	-	-	-	**151.2**	**193.2**	**ND (60)**	**394.8**	**ND (65)**	**134.4**	**201.6**					-	-	-
PCBs (mg/Kg)																				
Aroclor 1016	12674-11-2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1242	53469-21-9	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1248	12672-29-6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1254	11097-69-1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	ND (0.05)	ND (0.05)	ND (0.05)
Aroclor 1260	11096-82-5	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	ND (0.05)	1.2	0.22

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		B103-S4	B104-S1	B104-S3	B106-S1	B106-S3	B107-S2	B108-S1	B111-S2	171-B01	171-B01	171-B02	171-B02	S20-1 SW	S20-2 SW	S20-3 SW	S20-1 F	S20-2 F	S40-1 SW	S40-2 SW	S40-1 F
SAMPLING DATE	CAS	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	22-Jun-00	8-Jan-99	8-Jan-00	8-Jan-00	8-Jan-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	26-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00
SAMPLE DEPTH (FT.)	NUMBER	6.0-8.0	2-2.5	6.0-8.0	0.5-2	4.0-6.0	2.5-4	0.5-1	2.5-4.5	1.0-3.0	8.0-10.0	6.0-8.0	14.0-16.0	0.5-3	0.5-3	0.5-3	3	3	0.5-3	0.5-3	3
VOCs (mg/Kg)																					
1,2,4-Trichlorobenzene	120-82-1	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
2-Butanone	78-93-3	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Acetone	67-64-1	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	ND (0.03)	ND (0.16)	ND (0.03)	ND (0.16)	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Chloroform	67-66-3	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Chloromethane	74-87-3	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	ND (0.03)	ND (0.16)	ND (0.03)	ND (0.16)								
Methyl tert-butyl ether	1634-04-4	-	-	-	-	-	-	-	-	ND (0.15)	ND (0.47)	ND (0.15)	ND (0.48)	-	-	-	-	-	-	-	-
Methylene chloride	75-09-2	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	--	-	--	-	-	-	-	-	-	-	-
Styrene	100-42-5	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Tetrachloroethylene	127-18-4	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	ND (0.03)	ND (0.47)	ND (0.03)	ND (0.48)	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	-	-	-	-	-	-	-	-	ND (0.15)	--	ND (0.15)	--	-	-	-	-	-	-	-	-
Vinyl chloride	75-01-4	-	-	-	-	-	-	-	-	ND (0.03)	--	ND (0.03)	--	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	ND (0.15)	ND (0.6)	ND (0.15)	ND (0.7)	-	-	-	-	-	-	-	-
SVOCs (mg/Kg)																					
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Acenaphthene	83-32-9	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Acenaphthylene	208-96-8	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Anthracene	120-12-7	-	-	-	-	-	-	-	-	0.91	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	56-55-3	-	-	-	-	-	-	-	-	2.7	ND (0.25)	0.5	ND (0.25)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	50-32-8	-	-	-	-	-	-	-	-	2.6	ND (0.25)	0.5	ND (0.25)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	205-99-2	-	-	-	-	-	-	-	-	2	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	191-24-2	-	-	-	-	-	-	-	-	1.7	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	207-08-9	-	-	-	-	-	-	-	-	2	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	-	-	-	-	-	-	-	-	2.8	ND (0.25)	0.53	ND (0.25)	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	53-70-3	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	-	-	-	-	-	-	-	-	5.7	ND (0.25)	0.95	ND (0.25)	-	-	-	-	-	-	-	-
Fluorene	86-73-7	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	-	-	-	-	-	-	-	-	1.6	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-
Phenanthrene	85-01-8	-	-	-	-	-	-	-	-	4.5	ND (0.25)	1.1	ND (0.25)	-	-	-	-	-	-	-	-
Pyrene	129-00-0	-	-	-	-	-	-	-	-	5.5	ND (0.25)	0.84	ND (0.25)	-	-	-	-	-	-	-	-
														-	-	-	-	-	-	-	-
METALS (mg/Kg)																					
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
Arsenic	7440-38-2	-	7.1	-	-	-	-	-	-	10.1	5.8	6.2	6.5	-	-	-	-	-	-	-	-
Barium	7440-39-3	-	24	-	-	-	-	-	-	267	67	71.9	64	-	-	-	-	-	-	-	-
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	-	ND (.26)	-	-	-	-	-	-	1.6	ND (0.32)	ND (0.32)	ND (0.33)	-	-	-	-	-	-	-	-
Chromium	7440-47-3	-	ND (5)	-	-	-	-	-	-	12.1	33	30.9	34.6	-	-	-	-	-	-	-	-
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	-	15	-	-	-	-	-	-	254	ND (6.5)	43.2	ND (6.5)	-	-	-	-	-	-	-	-
Mercury	7439-97-6	-	0.068	-	-	-	-	-	-	0.62	ND (0.06)	1.7	ND (0.65)	-	-	-	-	-	-	-	-
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	-	ND (15.5)	-	-	-	-	-	-	ND (6)	ND (6.5)	ND (6)	ND (6.5)	-	-	-	-	-	-	-	-
Silver	7440-22-4	-	ND (2.6)	-	-	-	-	-	-	ND (0.6)	ND (0.65)	ND (0.6)	ND (0.65)	-	-	-	-	-	-	-	-
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V

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PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		B103-S4	B104-S1	B104-S3	B106-S1	B106-S3	B107-S2	B108-S1	B111-S2	171-B01	171-B01	171-B02	171-B02	S20-1 SW	S20-2 SW	S20-3 SW	S20-1 F	S20-2 F	S40-1 SW	S40-2 SW	S40-1 F
SAMPLING DATE	CAS	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	20-Jun-00	22-Jun-00	8-Jan-99	8-Jan-00	8-Jan-00	8-Jan-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	26-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00
SAMPLE DEPTH (FT.)	NUMBER	6.0-8.0	2-2.5	6.0-8.0	0.5-2	4.0-6.0	2.5-4	0.5-1	2.5-4.5	1.0-3.0	8.0-10.0	6.0-8.0	14.0-16.0	0.5-3	0.5-3	0.5-3	3	3	0.5-3	0.5-3	3
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)																					
carbon ranges																					
C5-C8 Aliphatics	NA	-	-	-	-	-	-	-	-	ND (0.6)	ND (0.6)	ND (0.6)	ND (0.7)	-	-	-	-	-	-	-	-
C9-C12 Aliphatics	NA	-	-	-	-	-	-	-	-	ND (0.6)	ND (0.6)	*1.2*	ND (0.7)	-	-	-	-	-	-	-	-
C9-C10 Aromatics	NA	-	-	-	-	-	-	-	-	ND (0.6)	ND (0.6)	*3.2*	ND (0.7)	-	-	-	-	-	-	-	-
Methyl tert-butyl ether	1634-04-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
target analytes																					
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)																					
carbon ranges																					
C9-C18 Aliphatics	NA	-	-	-	-	-	-	-	-	22	ND (6)	ND (6)	ND (6.5)	-	-	-	-	-	-	-	-
C19-C36 Aliphatics	NA	-	-	-	-	-	-	-	-	100	ND (6)	ND (6)	ND (6.5)	-	-	-	-	-	-	-	-
C10-C22 Aromatics	NA	-	-	-	-	-	-	-	-	110	ND (6)	48	ND (6.5)	-	-	-	-	-	-	-	-
PCBs (mg/Kg)																					
Aroclor 1016	12674-11-2	ND (0.05)	2.6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	1.4	ND (0.05)	ND (0.01)	-	-	-	ND (0.04)	ND (0.05)	ND (0.04)	ND (0.45)	ND (0.05)	ND (0.04)	ND (0.04)	ND (0.05)
Aroclor 1242	53469-21-9	ND (0.05)	ND (0.4)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.09)	ND (0.05)	ND (0.01)	-	-	-	ND (0.04)	ND (0.05)	ND (0.04)	3.3	0.11	ND (0.04)	ND (0.04)	ND (0.05)
Aroclor 1248	12672-29-6	ND (0.05)	ND (0.4)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.09)	ND (0.05)	ND (0.01)	-	-	-	ND (0.04)	0.13	0.1	7.2	0.35	0.26	0.096	0.52
Aroclor 1254	11097-69-1	ND (0.05)	ND (0.4)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.09)	ND (0.05)	ND (0.01)	-	-	-	ND (0.04)	ND (0.05)	ND (0.04)	ND (0.45)	ND (0.05)	ND (0.04)	ND (0.04)	ND (0.05)
Aroclor 1260	11096-82-5	ND (0.05)	3.7	ND (0.05)	0.4	ND (0.05)	ND (0.05)	1.8	ND (0.05)	0.068	-	-	-	ND (0.04)	ND (0.05)	ND (0.04)	ND (0.45)	ND (0.05)	ND (0.04)	ND (0.04)	ND (0.05)

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		S60-1 SW	S60-2 SW	S60-1 F	S80-1 SW	S80-2 SW	S80-1 F	S100-1 SW	S100-2 SW	S100-1 F	S120-1 SW	S120-3 SW	S120-1 F
SAMPLING DATE	CAS	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	26-Jul-00	26-Jul-00	26-Jul-00
SAMPLE DEPTH (FT.)	NUMBER	0.5-3	0.5-3	3	0.5-3	0.5-3	3	0.5-3	0.5-3	3	0.5-3	0.5-3	3
VOCs (mg/Kg)													
1,2,4-Trichlorobenzene	120-82-1	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	78-93-3	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	67-64-1	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	67-66-3	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	74-87-3	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4												
Methyl tert-butyl ether	1634-04-4	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	75-09-2	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	100-42-5	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	127-18-4	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	75-01-4	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs (mg/Kg)													
3-Methylphenol	108-39-4	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenyl ether	101-55-3	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzylphthalate	85-68-7	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	83-32-9	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	208-96-8	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	120-12-7	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	56-55-3	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	50-32-8	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	205-99-2	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	191-24-2	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	207-08-9	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	53-70-3	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	132-64-9	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	86-73-7	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	85-01-8	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	129-00-0	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
METALS (mg/Kg)													
Antimony	7440-36-0	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	-	-	-	-	-	-	-	-	-	-	-	-
Barium	7440-39-3	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	7440-41-7	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	7440-47-3	-	-	-	-	-	-	-	-	-	-	-	-
Copper	7440-50-8	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	7440-02-0	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	-	-	-	-	-	-	-	-	-	-	-	-
Silver	7440-22-4	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	7440-28-0	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V

SUMMARY OF SOIL QUALITY DATA
WSEI CSC PHASE I
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION		S60-1 SW	S60-2 SW	S60-1 F	S80-1 SW	S80-2 SW	S80-1 F	S100-1 SW	S100-2 SW	S100-1 F	S120-1 SW	S120-3 SW	S120-1 F
SAMPLING DATE	CAS	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	25-Jul-00	26-Jul-00	26-Jul-00	26-Jul-00
SAMPLE DEPTH (FT.)	NUMBER	0.5-3	0.5-3	3	0.5-3	0.5-3	3	0.5-3	0.5-3	3	0.5-3	0.5-3	3
TPH (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/Kg)													
carbon ranges													
C5-C8 Aliphatics	NA	-	-	-	-	-	-	-	-	-	-	-	-
C9-C12 Aliphatics	NA	-	-	-	-	-	-	-	-	-	-	-	-
C9-C10 Aromatics	NA	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether	1634-04-4	-	-	-	-	-	-	-	-	-	-	-	-
target analytes													
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, mixture	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/Kg)													
carbon ranges													
C9-C18 Aliphatics	NA	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatics	NA	-	-	-	-	-	-	-	-	-	-	-	-
C10-C22 Aromatics	NA	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/Kg)													
Aroclor 1016	12674-11-2	ND (0.04)	ND (0.04)	ND (0.23)	ND (0.04)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.43)	ND (0.05)	ND (0.09)	ND (0.05)	ND (0.05)
Aroclor 1242	53469-21-9	ND (0.04)	ND (0.04)	0.82	0.09	ND (0.04)	0.86	0.31	1.3	0.22	0.7	0.23	0.31
Aroclor 1248	12672-29-6	1	0.27	3.9	0.32	0.41	4.1	1.1	7.2	0.98	1.8	ND (0.05)	1
Aroclor 1254	11097-69-1	ND (0.04)	ND (0.04)	ND (0.23)	ND (0.04)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.43)	ND (0.05)	ND (0.09)	ND (0.05)	ND (0.05)
Aroclor 1260	11096-82-5	ND (0.04)	ND (0.04)	ND (0.23)	ND (0.04)	ND (0.04)	ND (0.22)	ND (0.04)	ND (0.43)	ND (0.05)	ND (0.09)	ND (0.05)	ND (0.05)

TABLE V

SUMMARY OF SOIL QUALITY DATA
SUMMARY OF SOIL QUALITY DATA
PHASE 2, WEST OF C STREET
SOUTH BOSTON, MASSACHUSETTS

Notes:
1. ND: indicates compound not detected above laboratory quantitation limit. Number in parentheses is one-half the laboratory quantitation limit.
2. - : indicates compound not analyzed.
3. Italicized values indicate estimated concentrations.
4. Underlined values indicate trace concentrations detected below the quantitation limit.
5. EPH values provided in bold were partitioned from TPH based on existing EPH data. TPH values were partitioned as follows: 14% partitioned into C9-C18 aliphatics, 31% into C19-C36 aliphatics, and 56% into C11-C22 aromatics.
6. Samples identified with an "(D)" are duplicate samples.
7. Highlighted cells are the average levels for duplicate and field samples.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP7(B)	SP8	SP9	SP10	SP10(B)	SP10(C)	SP11	SP11(B)	SP12	SP12(B)	SP12(C)	SP12(D)	SP12(E)	SP13	SP14	SP15
SAMPLING DATE	Reportable	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	24-Oct-00	26-Jun-00	19-Jul-00	19-Jul-00	13-Nov-00	13-Nov-00	21-Aug-00	14-Nov-00	21-Aug-00	24-Oct-00	13-Nov-00	13-Nov-00	13-Nov-00	21-Aug-00	21-Aug-00	30-Aug-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	540	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	ND	350	ND	540	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	700	ND	ND	3500	ND	ND	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	490	ND	ND	ND	ND	ND	ND	ND	ND	530	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	ND	550	ND	2,100	1600	400	20000	440	1100	4400	1900	780	780	880	830	ND	ND	ND	ND	ND	ND	ND	2100
Benzo(a)anthracene	700	ND	**1,700**	**790**	**3,500**	**4400**	**750**	**33000**	**950**	**1800**	**6400**	**4800**	**2000**	**2200**	**1500**	**1800**	490	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	700	ND	**1,800**	**770**	**3,500**	**4200**	690	**28000**	**860**	**1600**	**6200**	**4600**	**2000**	**2200**	**1400**	**1600**	440	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	700	ND	**2,200**	**860**	**4,300**	**4500**	**760**	**31000**	**990**	**1800**	**8000**	**5300**	**2500**	**2700**	**2300**	**2200**	**760**	ND	ND	ND	ND	590	ND	ND
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	ND	440	380	660	1600	ND	21000	440	720	950	610	490	490	ND	450	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	7,000	ND	750	ND	1,600	1600	ND	**11000**	360	670	2600	2000	920	960	860	750	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	ND	ND	ND	680	ND	ND	ND	ND	ND	2100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	7,000	ND	1,400	730	3,000	3600	680	**28000**	890	1400	6100	4100	1900	1900	1500	1600	400	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	700	ND	ND	ND	ND	530	ND	**5200**	ND	ND	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	ND	ND	ND	650	ND	ND	2500	ND	ND	1700	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	630	3,200	1,600	7,100	7800	1500	67000	1800	3700	12000	7400	3000	3400	4100	3900	1100	440	ND	340 j	420	860	470	1300
Fluorene	400,000	ND	ND	ND	870	420	ND	5500	ND	450	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	700	ND	590	440	**950**	**2000**	ND	**22000**	520	**870**	**1400**	**960**	630	630	ND	540	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	440	ND	590	410	ND	ND	490	ND	**4300**	440	580	560	630	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	440	1,600	1,300	6,100	4700	1200	52000	1300	3300	11000	2700	1400	1400	4000	2400	730	390	ND	ND	ND	580	ND	2200
Pyrene	700,000	530	2,500	1,400	5,400	6800	1300	61000	1600	3100	9200	5600	2400	2600	2700	2800	710	ND	ND	ND	ND	600	ND	1000
Total SVOCs (ug/kg)	NA	1600	17660	8270	41700	44160	7280	390700	10640	20510	83030	40940	18600	19820	20340	18870	4630	830	ND	ND	420	2630	470	6600

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP7(B)	SP8	SP9	SP10	SP10(B)	SP10(C)	SP11	SP11(B)	SP12	SP12(B)	SP12(C)	SP12(D)	SP12(E)	SP13	SP14	SP15
SAMPLING DATE	Reportable	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	26-Jun-00	24-Oct-00	26-Jun-00	19-Jul-00	19-Jul-00	13-Nov-00	13-Nov-00	21-Aug-00	14-Nov-00	21-Aug-00	24-Oct-00	13-Nov-00	13-Nov-00	13-Nov-00	21-Aug-00	21-Aug-00	30-Aug-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	110	150	**300**	190	100	150	110	**280**	160	**230**	100	**230**	**340**	130	**200**	ND	68	ND	ND	ND	ND	ND	92
RCRA 8 Metals (mg/kg)																								
Arsenic	30	ND	5.8	7.2	ND	5.8	ND	ND	7.5	ND	12	7.3	10	7.5	7.9	ND	7.4	7.6	8.7	8.1	6.5	15	9.4	7.7
Barium	1,000	23	27	56	32	31	26	40	55	39	120	44	74	110	61	56	32	41	53	71	43	ND	48	47
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	ND	14	16	15	15	13	21	22	17	14	17	16	16	19	25	18	17	25	34	24	14	27	20
Lead	300	20	67	77	100	47	55	40	92	150	**560**	110	260	150	150	59	37	19	20	ND	26	ND	22	**350**
Mercury	20	0.16	0.26	0.46	0.31	0.23	0.33	0.29	0.68	0.39	7.9	4.9	0.92	1.1	0.85	0.56	0.066	0.12	0.094	0.12	0.057	ND	ND	0.27
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	3.3	0.56	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	ND	ND	ND	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (ug/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	9.4	8.8	9.5	8.2	8.1	7.7	8.2	7.4	8.1	7.2	7.4	4.3	4.2	7.3	7.5	8.8	8.3	8.2	8.1	8.5	8.5	8.5	8
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	1,000	1,300	1,000	1,800	2300	2000	2700	12000	2600	1900	1300	5100	5600	4400	3800	8100	7800	1300	1600	2040	6400	6700	5500

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP15(B)	SP15(C)	SP16	SP16(B)	SP16(C)	SP16(D)	SP16(E)	SP17	SP17(B)	SP18	SP18(B)	SP19	SP20	SP21	SP21(B)	SP22	SP23	SP24	SP25	SP26	SP27	SP27(B)	SP27(C)
SAMPLING DATE	Reportable	14-Nov-00	14-Nov-00	30-Aug-00	24-Oct-00	14-Nov-00	14-Nov-00	14-Nov-00	30-Aug-00	13-Nov-00	30-Aug-00	13-Nov-00	08-Sep-00	08-Sep-00	26-Sep-00	13-Nov-00	03-Oct-00	03-Oct-00	03-Oct-00	12-Oct-00	17-Oct-00	17-Oct-00	04-Dec-00	04-Dec-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380	ND	ND	ND	-	-
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380	ND	ND	ND	-	-
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	590	ND	ND	-	-
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	650	400	ND	400	**25000**	-	-
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	750	440	ND	ND	ND	ND	ND	ND	ND	-	-
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69000	-	-
Anthracene	1,000,000	490	ND	ND	ND	ND	ND	ND	540	ND	ND	ND	ND	1500	730	410	ND	560	810	ND	380	68000	-	-
Benzo(a)anthracene	700	**1300**	680	ND	ND	ND	ND	ND	**1100**	610	540	**770**	650	**3100**	**1400**	**760**	580	**1600**	**1900**	ND	**1100**	**98000**	-	-
Benzo(a)pyrene	700	**1300**	**760**	ND	ND	ND	ND	ND	**980**	600	470	**800**	640	**2900**	**1200**	**730**	470	**1400**	**1800**	ND	**1100**	**79000**	-	-
Benzo(b)fluoranthene	700	**1700**	**940**	ND	ND	ND	ND	ND	**1200**	660	560	**830**	**970**	**3200**	**1600**	**880**	560	**2000**	**2300**	ND	**1400**	**82000**	-	-
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	470	380	ND	ND	ND	ND	ND	ND	510	ND	620	ND	1100	410	400	ND	890	560	ND	450	30000	-	-
Benzo(k)fluoranthene	7,000	530	ND	ND	ND	ND	ND	ND	390	ND	ND	ND	370	1100	570	ND	ND	650	820	ND	420	**27000**	-	-
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	690	ND	ND	470	ND	-	-
Carbazole	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	ND	ND	ND	ND	ND	ND	ND	**17,000 j**	-	-
Chrysene	7,000	1200	620	ND	ND	ND	ND	ND	770	570	ND	710	520	2700	1000	700	520	1300	1600	ND	1000	**110000**	-	-
Dibenzo(a,h)anthracene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,100 j	-	-
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	ND	ND	ND	ND	ND	ND	ND	17,000 j	-	-
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	2700	1200	ND	640	ND	410	ND	2100	1200	1200	ND	1300	7400	3500	1800	1300	3000	4000	ND	2200	210000	-	-
Fluorene	400,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	720	ND	ND	ND	ND	400	ND	ND	52000	-	-
Indeno(1,2,3-cd)pyrene	700	540	420	ND	ND	ND	ND	ND	ND	530	ND	630	ND	**1300**	510	440	ND	**1100**	**770**	ND	540	**33000**	-	-
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200	ND	ND	ND	400	ND	630	740	ND	390	14,000 j	-	-
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	1600	490	ND	510	ND	ND	ND	1200	740	1000	730	850	5200	3700	1700	1100	1900	2800	ND	1400	**340000**	-	-
Pyrene	700,000	2000	970	ND	560	ND	ND	ND	1200	1000	850	1300	1200	5700	2700	1400	1200	2500	3200	ND	1900	240000	-	-
Total SVOCs (ug/kg)	NA	13830	6460	ND	1710	ND	410	ND	9480	6420	4620	7590	6500	37410	17760	9620	5730	18870	22100	590	13150	1463000	-	-

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP15(B)	SP15(C)	SP16	SP16(B)	SP16(C)	SP16(D)	SP16(E)	SP17	SP17(B)	SP18	SP18(B)	SP19	SP20	SP21	SP21(B)	SP22	SP23	SP24	SP25	SP26	SP27	SP27(B)	SP27(C)
SAMPLING DATE	Reportable	14-Nov-00	14-Nov-00	30-Aug-00	24-Oct-00	14-Nov-00	14-Nov-00	14-Nov-00	30-Aug-00	13-Nov-00	30-Aug-00	13-Nov-00	08-Sep-00	08-Sep-00	26-Sep-00	13-Nov-00	03-Oct-00	03-Oct-00	03-Oct-00	12-Oct-00	17-Oct-00	17-Oct-00	04-Dec-00	04-Dec-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	130	180	ND	ND	ND	ND	ND	**270**	**370**	190	**220**	**510**	**530**	120	150	**780**	**290**	**290**	ND	**450**	**860**	ND	ND
RCRA 8 Metals (mg/kg)																								
Arsenic	30	ND	ND	7.5	6.6	6.6	ND	11	ND	ND	ND	ND	ND	6.6	ND	ND	5.9	ND	ND	ND	ND	ND	-	-
Barium	1,000	44	47	24	35	62	38	54	ND	40	36	34	25	48	32	22	37	40	50	35	47	82	-	-
Cadmium	30	ND	ND	ND	ND	ND	0.67	ND	ND	ND	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	-	-
Chromium	1,000	48	16	16	17	29	24	29	ND	ND	16	17	ND	ND	ND	23	16	ND	13	17	18	24	-	-
Lead	300	**470**	88	13	18	30	14	20	55	110	45	20	46	110	110	120	37	110	120	ND	120	53	-	-
Mercury	20	0.47	0.98	0.18	0.065	0.24	0.36	0.092	0.52	0.077	0.19	0.17	0.46	1.6	0.19	0.33	0.13	0.35	0.33	0.41	0.83	0.32	-	-
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
TCLP (mg/L)																								
Lead	NA	0.26	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	0.32	2.4	ND	ND	ND	NA	ND	NA	-	-
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	7.8	8	7.9	8.1	8.1	7.5	8.2	7.8	7.3	7.6	7.6	7.4	7.4	7.6	7.9	9.4	7.3	7.8	8.3	7.3	7.9	-	-
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	-	-
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	1700	1600	17000	14000	8200	3800	4600	1700	870	1800	1000	1100	2100	1100	950	2700	1600	1500	4100	1800	1500	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP27T1	SP27T2	SP28	SP29	SP30	SP30(B)	SP31	SP32	SP32(B)	SP33	SP35	SP36	SP37	SP38	SP39	SP39(B)	SP40	SP40(B)	SP40(C)	SP41	SP42	SP42(B)	SP43
SAMPLING DATE	Reportable	12-Jan-01	13-Jan-01	17-Oct-00	17-Oct-00	17-Oct-00	27-Nov-00	17-Oct-00	24-Oct-00	13-Nov-00	24-Oct-00	07-Oct-00	07-Oct-00	07-Oct-00	07-Oct-00	04-Dec-00	04-Dec-00	04-Dec-00	04-Dec-00	04-Dec-00	21-Dec-00	21-Dec-00	21-Dec-00	21-Dec-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	410	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	470	470	ND	ND	ND	ND	ND	ND	ND	2500	ND	ND	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	470	ND	ND	ND	ND	ND	ND	ND	2910	ND	ND	ND
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	650	440	ND	ND	ND	ND	-	ND	ND	ND	ND	580	ND	ND	ND	ND	810	740	ND	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	-	730	ND	ND	ND	450	ND	ND	930	1300	ND	500	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	510	ND	-	ND	ND	ND	ND	970	ND	ND	ND	ND	1300	ND	ND	ND	ND
Anthracene	1,000,000	ND	ND	700	520	2100	820	1300	680	-	2300	ND	ND	ND	3600	ND	ND	1900	2000	2800	820	670	510	460
Benzo(a)anthracene	700	ND	ND	**1700**	**1300**	**4400**	**1500**	**2500**	**1300**	-	**5100**	520	540	ND	**7900**	ND	ND	**3100**	**4500**	**4300**	**1700**	**1200**	**870**	**860**
Benzo(a)pyrene	700	ND	ND	**1600**	**1200**	**3700**	**1500**	**2100**	**1100**	-	**4300**	460	470	ND	**7300**	ND	ND	**2800**	**4100**	**3800**	**1500**	**1100**	**820**	**790**
Benzo(b)fluoranthene	700	ND	ND	**2600**	**1800**	**4600**	**2000**	**3000**	**1300**	-	**5200**	530	550	ND	**7500**	ND	ND	**3200**	**5400**	**5000**	**1800**	**1200**	**1100**	**930**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	ND	ND	390	ND	1900 j	420	560	550	-	1000	480	500	ND	1000	ND	ND	1100	1100	910	800	480	ND	ND
Benzo(k)fluoranthene	7,000	ND	ND	820	680	1600 j	720	1000	460	-	2000	ND	ND	ND	2500	ND	ND	1200	2000	1700	640	390 j	340 j	ND
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	420	ND	44000	ND	480	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	ND	ND	ND	ND	ND	ND	580	ND	-	350	ND	ND	ND	ND	ND	ND	820	1000	1200	ND	ND	ND	ND
Chrysene	7,000	ND	ND	1500	1200	3700	1400	2300	1100	-	4300	480	510	ND	**7000**	ND	ND	3000	4000	3900	1400	980	860	820
Dibenzo(a,h)anthracene	700	ND	ND	ND	ND	ND	ND	ND	ND	-	390	ND	ND	ND	660	ND	ND	ND	400	ND	ND	ND	ND	ND
Dibenzofuran	100,000	ND	ND	350 j	340 j	ND	ND	500	ND	-	580	ND	ND	ND	1300	ND	ND	760	640	1200	530	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	ND	490	3400	2400	9700	3300	5200	3100	-	9600	1300	1200	490	11000	ND	ND	7300	9000	9500	3800	2700	2200	1900
Fluorene	400,000	ND	ND	ND	ND	1100 j	390	670	ND	-	970	ND	ND	ND	610	ND	ND	860	1000	1600	710	ND	ND	ND
Indeno(1,2,3-cd)pyrene	700	ND	ND	520	450	**2300**	500	690	660	-	**1400**	500	510	ND	**1600**	ND	ND	**1400**	**1500**	**1200**	**930**	550	310 j	340 j
Naphthalene	4,000	ND	ND	670	530	ND	ND	670	470	-	ND	ND	ND	ND	2100	ND	ND	630	700	1900	2200	380 j	460	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	ND	490	2300	1400	8100	2400	4500	2600	-	6400	1100	1100	ND	2100	ND	ND	7300	6500	9100	2800	2200	1500	1500
Pyrene	700,000	ND	430	2500	1900	7700	2400	3800	2400	-	7500	1000	1000	420	9400	ND	ND	6000	6600	7000	3300	2200	1500	1500
Total SVOCs (ug/kg)	NA	ND	1410	19770	13820	90300	17350	30360	15720	-	52120	6370	6380	910	67570	ND	ND	42300	51740	57220	24170	13280	9820	8760

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP27T1	SP27T2	SP28	SP29	SP30	SP30(B)	SP31	SP32	SP32(B)	SP33	SP35	SP36	SP37	SP38	SP39	SP39(B)	SP40	SP40(B)	SP40(C)	SP41	SP42	SP42(B)	SP43
SAMPLING DATE	Reportable	12-Jan-01	13-Jan-01	17-Oct-00	17-Oct-00	17-Oct-00	27-Nov-00	17-Oct-00	24-Oct-00	13-Nov-00	24-Oct-00	07-Oct-00	07-Oct-00	07-Oct-00	07-Oct-00	04-Dec-00	04-Dec-00	04-Dec-00	04-Dec-00	04-Dec-00	21-Dec-00	21-Dec-00	21-Dec-00	21-Dec-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	ND	ND	**280**	**260**	**210**	**600**	160	99	**310**	170	140	**220**	74	**280**	ND	72	93	**270**	120	**320**	170	140	**490**
RCRA 8 Metals (mg/kg)																								
Arsenic	30	ND	ND	ND	ND	ND	6.9	18	8.4	-	ND	9.5	9	8.5	ND	11	7.9	10	8.9	13	ND	8.3	7.3	ND
Barium	1,000	42	36	50	45	67	46	57	67	-	27	53	58	44	ND	88	46	79	36	55	73	59	53	37
Cadmium	30	ND	ND	ND	ND	0.81	ND	0.94	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	23	22	14	17	30	20	23	31	-	ND	ND	27	27	13	51	24	45	ND	27	24	22	20	19
Lead	300	20	20	210	200	61	100	83	63	-	73	31	42	32	40	ND	39	ND	150	29	**330**	96	81	39
Mercury	20	0.075	0.23	0.64	0.36	0.086	ND	0.46	ND	-	0.28	0.14	0.18	ND	0.31	ND	0.078	ND	0.55	0.07	5.4	0.52	0.45	0.31
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	NA	NA	0.35	ND	NA	ND	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA	0.29	NA	2.2	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs (ug/kg)	2,000	ND	ND	0	0	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	7.6	7.5	7.1	7.3	8.9	8.5	8.5	9.2	-	8.2	10.1	9.8	8.2	7.1	7.9	8.1	8.1	7.8	9.8	7.8	7.9	8.1	7.9
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	-	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	500	560	2100	1800	2500	1400	2000	5600	-	610	1900	3600	4400	1400	4000	2500	4600	1600	1900	1100	1900	2300	2400

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP44	SP45	SP45(T1)	SP45(T2)	SP45(T3)	SP45(T4)	SP45(T5)	SP45(T6)	SP46	SP47	SP48	SP48(T1)	SP48(T2)	SP48(T3)	SP48(T4)	SP48(T5)	SP48(T6)	SP48(B)	R1-Cell 1	R1-Cell 2	R1-Cell 3	R1-Cell 4	R1-Cell 5
SAMPLING DATE	Reportable	21-Dec-00	21-Dec-00	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	21-Dec-00	21-Dec-00	21-Dec-00	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	21-Dec-00	12-Dec-00	12-Dec-00	12-Dec-00	12-Dec-00	12-Dec-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	330	-	-	-	-	-	-	ND	640	740	--	--	-	-	-	-	ND	ND	ND	ND	400	**4600**
n-Propylbenzene	100,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	-	-	-	-	-	-	ND	ND	ND	--	--	-	-	-	-	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	330	-	-	-	-	-	-	ND	640	740	--	--	-	-	-	-	ND	ND	ND	ND	400	4600
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	4,000 j	ND	600	-	-	-	-	ND	430	**44000**	360	1,300 j	-	-	-	-	360 j	ND	ND	420	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	9000	420	890	-	-	-	-	360 j	940	**140000**	920	2500	-	-	-	-	990	ND	ND	470	ND	ND
Acenaphthylene	100,000	ND	2,300 j	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	330 j	23000	970	1900	-	-	-	-	930	2500	180000	2400	7100	-	-	-	-	1900	410	ND	1000	1,700 j	ND
Benzo(a)anthracene	700	**750**	**29000**	**1800**	**3700**	-	-	-	-	**1300**	**3900**	**200000**	**3400**	**10000**	-	-	-	-	**3500**	**1100**	**830**	**2300**	**4100**	**710**
Benzo(a)pyrene	700	**710**	**24000**	**1800**	**3700**	-	-	-	-	**1100**	**3200**	**190000**	**4300**	**9500**	-	-	-	-	**3300**	**1100**	**820**	**2200**	**3800**	690
Benzo(b)fluoranthene	700	**890**	**28000**	**2400**	**5000**	-	-	-	-	**1300**	**3700**	**220000**	**5800**	**12000**	-	-	-	-	**3500**	**1500**	**1300**	**3700**	**4500**	**980**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	ND	7500	ND	540	-	-	-	-	390 j	810	73000	710	2800	-	-	-	-	760	ND	ND	ND	1,300 j	ND
Benzo(k)fluoranthene	7,000	ND	**9800**	840	1700	-	-	-	-	460	1400	**71000**	1800	4000	-	-	-	-	1400	520	410	1300	1,600 j	ND
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	790	ND	ND
Carbazole	NA	ND	9600	430	780	-	-	-	-	ND	990	94000	710	3400	-	-	-	-	880	ND	ND	470	ND	ND
Chrysene	7,000	600	**23000**	1500	3400	-	-	-	-	1100	3600	**160000**	3400	**9400**	-	-	-	-	2700	1000	740	2200	3800	690
Dibenzo(a,h)anthracene	700	ND	2,600 j	ND	ND	-	-	-	-	ND	340 j	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	ND	9200	380	670	-	-	-	-	360 j	930	**100000**	760	2200	-	-	-	-	800	ND	ND	500	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	1700	65000	4100	7600	-	-	-	-	3000	8400	560000	7200	24000	-	-	-	-	7100	2300	1800	5200	9600	1600
Fluorene	400,000	ND	14000	550	1000	-	-	-	-	570	1400	140000	1100	3400	-	-	-	-	1200	ND	ND	530	ND	ND
Indeno(1,2,3-cd)pyrene	700	320 j	**8800**	390	640	-	-	-	-	450	**1100**	**82000**	**890**	**3400**	-	-	-	-	**1000**	ND	ND	440	1,600 j	ND
Naphthalene	4,000	ND	**4300**	800	1300	-	-	-	-	ND	610	**120000**	540	2700	-	-	-	-	1200	ND	ND	640	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	1200	78000	3500	7500	-	-	-	-	3200	8500	**690000**	6000	24000	-	-	-	-	5500	1600	1300	4200	7700	1200
Pyrene	700,000	1300	51000	2900	5700	-	-	-	-	2300	6400	420000	5000	18000	-	-	-	-	5500	2100	1600	5500	8200	1300
Total SVOCs (ug/kg)	NA	7150	393200	22780	46620	-	-	-	-	15710	48810	3484000	45290	138400	-	-	-	-	41230	11630	8800	31860	41700	7170

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP44	SP45	SP45(T1)	SP45(T2)	SP45(T3)	SP45(T4)	SP45(T5)	SP45(T6)	SP46	SP47	SP48	SP48(T1)	SP48(T2)	SP48(T3)	SP48(T4)	SP48(T5)	SP48(T6)	SP48(B)	R1-Cell 1	R1-Cell 2	R1-Cell 3	R1-Cell 4	R1-Cell 5
SAMPLING DATE	Reportable	21-Dec-00	21-Dec-00	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	21-Dec-00	21-Dec-00	21-Dec-00	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	21-Dec-00	12-Dec-00	12-Dec-00	12-Dec-00	12-Dec-00	12-Dec-00
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	150	**1500**	**350**	**250**	**380**	**240**	**240**	**330**	**450**	**210**	**460**	**400**	**330**	**320**	**370**	**320**	**370**	170	190	**270**	**270**	**350**	**730**
RCRA 8 Metals (mg/kg)																								
Arsenic	30	7.4	7.9	ND	ND	-	-	-	-	ND	ND	ND	11	12	-	-	-	-	ND	7.2	8.1	13	7.7	6.8
Barium	1,000	48	55	53	41	-	-	-	-	50	68	63	120	150	-	-	-	-	35	64	67	67	63	57
Cadmium	30	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	0.71	-	-	-	-	ND	ND	ND	ND	ND	ND
Chromium	1,000	18	20	13	13	-	-	-	-	18	21	ND	13	ND	-	-	-	-	ND	24	32	32	29	21
Lead	300	110	110	150	130	-	-	-	-	110	140	**300**	**510**	**2000**	-	-	-	-	120	150	60	75	92	120
Mercury	20	0.44	1	1.2	0.83	-	-	-	-	0.76	0.74	7.3	3.4	7.3	-	-	-	-	3.4	0.06	0.58	1.1	0.63	0.55
Selenium	400	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	ND	0.58	ND	2.3	-	-	-	-	ND	ND	1.7	1.8	1.6	-	-	-	-	1.1	0.41	NA	NA	NA	0.71
Mercury	NA	NA	NA	NA	NA	-	-	-	-	NA	NA	ND	NA	ND	-	-	-	-	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	--	--	--	--	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	7.7	7.5	8.2	8.1	-	-	-	-	7.7	7.6	7.5	7.6	7.5	-	-	-	-	7.2	9.1	9.5	10	10	8.8
Ignitability (degrees F)	NA	>165	>165	>165	>165	-	-	-	-	>165	>165	>165	>165	>165	-	-	-	-	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	1100	1200	1100	1200	-	-	-	-	2400	1500	1000	1100	1300	-	-	-	-	640	1500	1200	1800	1600	1400

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	R1-Cell 6	R1-Cell 7	R1-Cell 8	R1-Cell 9	R1-Cell 10	R1-Cell 11	R1-Cell 12	R1-Cell 13	R1-Cell 14	R1-Cell 15	R1-Cell 16	SP49	SP49b	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP57 T1	SP57 T2
SAMPLING DATE	Reportable	12-Dec-00	12-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	21-Dec-00	21-Dec-00	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	12-Jan-01	12-Jan-01	12-Jan-01	12-Jan-01	19-Jan-01	09-Feb-01	09-Feb-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Naphthalene	4,000	ND	ND	ND	ND	440	ND	ND	490	ND	ND	570	ND	ND	680	ND	ND	ND	ND	ND	ND	1100	-	-
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	440	430	ND	490	ND	ND	570	ND	ND	680	ND	ND	ND	ND	ND	ND	1100	-	-
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
2-Methylnaphthalene	4,000	ND	1100	ND	ND	ND	ND	ND	450	1300	ND	ND	ND	ND	ND	530	ND	ND	ND	ND	ND	ND	-	-
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Acenaphthene	20,000	ND	ND	ND	ND	ND	400	ND	590	1600	ND	460	ND	ND	590	ND	ND	ND	ND	ND	ND	2,000 j	-	-
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	470	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Anthracene	1,000,000	ND	540	ND	ND	ND	550	ND	1700	4000	ND	820	ND	ND	1600	ND	ND	ND	ND	ND	ND	9200	-	-
Benzo(a)anthracene	700	620	**1100**	ND	ND	**740**	**820**	450	**2600**	**5900**	390 j	**1200**	ND	ND	**3100**	**930**	**1300**	ND	ND	ND	ND	**21000**	-	-
Benzo(a)pyrene	700	600	**1000**	ND	ND	680	**700**	430	**2400**	**5400**	360 j	**1000**	ND	ND	**2700**	**890**	**1200**	ND	ND	ND	ND	**18000**	-	-
Benzo(b)fluoranthene	700	**870**	**1400**	ND	ND	**810**	**870**	520	**3200**	**6300**	400 j	**1200**	ND	ND	**3100**	**1400**	**1600**	ND	ND	ND	ND	**23000**	-	-
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	ND	ND	ND	ND	ND	ND	ND	570	1700	ND	ND	ND	ND	840	ND	ND	ND	ND	ND	ND	11000	-	-
Benzo(k)fluoranthene	7,000	ND	450	ND	ND	300 j	ND	ND	1000	2000	ND	450	ND	ND	1100	510	560	ND	ND	ND	ND	**7100**	-	-
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	320 j	1800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5300	-	-
Carbazole	NA	ND	ND	ND	ND	ND	ND	ND	690	1800	ND	**350 j**	ND	ND	490	ND	ND	ND	ND	ND	ND	**2,300 j**	-	-
Chrysene	7,000	600	1100	ND	ND	580	650	390 j	2100	4700	360 j	970	ND	ND	2600	910	1100	ND	ND	ND	ND	**20000**	-	-
Dibenzo(a,h)anthracene	700	ND	ND	ND	ND	ND	ND	ND	ND	550 j	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,200 j	-	-
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	820	2200	ND	360 j	ND	ND	450	ND	ND	ND	ND	ND	ND	2,400 j	-	-
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	1300	2400	330 j	540	1700	2200	1100	6600	15000	880	2800	ND	ND	7000	1900	2600	ND	ND	ND	ND	49000	-	-
Fluorene	400,000	ND	ND	ND	ND	ND	390 j	ND	930	2400	ND	590	ND	ND	690	ND	ND	ND	ND	ND	ND	4300	-	-
Indeno(1,2,3-cd)pyrene	700	ND	ND	ND	ND	ND	ND	ND	**730**	**2100**	ND	340 j	ND	ND	**1100**	400	410	ND	ND	ND	ND	**14000**	-	-
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	1100	3700	360 j	450	ND	ND	600	390	440	ND	ND	ND	ND	2,100 j	-	-
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	950	2100	ND	570	1000	2400	870	6300	15000	760	2800	ND	ND	5100	1300	980	ND	ND	ND	ND	39000	-	-
Pyrene	700,000	1200	2100	ND	400 j	1300	1500	840	4600	11000	690	2100	ND	ND	5300	1300	1900	ND	ND	ND	ND	41000	-	-
Total SVOCs (ug/kg)	NA	6140	13290	ND	1110	6810	10090	4210	36850	89000	2330	14840	ND	ND	36360	10460	12090	ND	ND	ND	ND	261900	-	-

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	R1-Cell 6	R1-Cell 7	R1-Cell 8	R1-Cell 9	R1-Cell 10	R1-Cell 11	R1-Cell 12	R1-Cell 13	R1-Cell 14	R1-Cell 15	R1-Cell 16	SP49	SP49b	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP57 T1	SP57 T2
SAMPLING DATE	Reportable	12-Dec-00	12-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	15-Dec-00	21-Dec-00	21-Dec-00	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	03-Jan-01	12-Jan-01	12-Jan-01	12-Jan-01	12-Jan-01	19-Jan-01	09-Feb-01	09-Feb-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	88	**410**	74	**220**	92	92	ND	**210**	**250**	**210**	**220**	ND	76	**300**	150	160	ND	74	72	100	**980**	**900**	**750**
RCRA 8 Metals (mg/kg)																								
Arsenic	30	7.7	9.2	ND	7	ND	ND	ND	11	8.9	6.5	6.7	ND	ND	5.7	ND	6.6	ND	ND	ND	ND	5.8	-	-
Barium	1,000	57	69	57	52	74	42	44	61	58	61	70	ND	ND	49	27	36	26	30	28	ND	150	-	-
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	-	-
Chromium	1,000	26	28	21	26	19	14	ND	18	24	27	28	ND	ND	18	ND	ND	13	14	15	ND	12	-	-
Lead	300	75	230	120	82	200	54	210	200	100	91	120	ND	ND	59	77	110	15	33	26	17	**430**	-	-
Mercury	20	ND	1	0,18	0.41	0.22	0.46	0.47	0.41	0.45	5.5	0.87	ND	ND	0.4	0.3	0.42	0.084	0.11	0.096	0.16	0.32	-	-
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
TCLP (mg/L)																								
Lead	NA	NA	ND	1.1	ND	ND	ND	ND	ND	NA	NA	0.74	NA	NA	NA	NA	ND	NA	NA	NA	NA	3.4	-	-
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	-	-
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	8.8	10.5	8.5	9.5	8.8	9.3	9.2	10.4	10.3	7.4	7.3	7.7	8.3	9.4	7.2	7.1	7.8	7.9	8	8.2	7.6	-	-
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	-	-
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	1800	1500	1900	1600	1300	1400	1300	1900	1800	1300	830	1100	1300	2600	250	920	1500	1600	2500	1500	1100	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP57 T3	SP57 T4	SP57 T5	SP57 T6	SP57 T7	SP57 T8	SP57 T9	SP-57 T10	SP58	SP59	SP60	SP61	SP62	SP63	SP64	SP65	SP66	SP67	SP68	SP68 T1	SP68 T2	SP68 T3	SP68 T4
SAMPLING DATE	Reportable	21-Feb-01	21-Feb-01	21-Feb-01	01-Mar-01	01-Mar-01	01-Mar-01	01-Mar-01	01-Mar-01	26-Jan-01	26-Jan-01	26-Jan-01	26-Jan-01	30-Jan-01	02-Feb-01	02-Feb-01	09-Feb-01	09-Feb-01	09-Feb-01	09-Feb-01	21-Feb-01	21-Feb-01	21-Feb-01	21-Feb-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
1,2-Dichlorobenzene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
1,3,5-Trimethylbenzene	10,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
1,4-Dichlorobenzene	2,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
2-Butanone	300	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
p-Isopropyltoluene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Acetone	3,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Benzene	10,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Carbon Disulfide	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Chlorobenzene	8,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
cis-1,2-Dichloroethylene	2,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Dichlorodifluoromethane	1,000,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Ethylbenzene	80,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Isopropylbenzene	1,000,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Methyl isobutyl ketone	500	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Methyl Tert-Butyl Ether	300	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Methylene Chloride	100	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Naphthalene	4,000	-	-	-	-	-	-	-	-	ND	1000	1600	ND	ND	950	ND	580	ND	430	ND	-	-	-	-
n-Propylbenzene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
sec-Butylbenzene	NA	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Tetrachloroethylene	500	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Toluene	90,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Trichloroethylene	400	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Trichlorofluoromethane	1,000,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Xylenes, mixture	500,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Total VOCs (ug/kg)	NA	-	-	-	-	-	-	-	-	ND	1000	1600	ND	ND	950	ND	580	ND	430	ND	-	-	-	-
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
1,2-Dichlorobenzene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
1,3-Dichlorobenzene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
1,4-Dichlorobenzene	2,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
2,4,5-Trichlorophenol	2,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
2,4,6-Trichlorophenol	3,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
2-Chloronaphthalene	1,000,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
2-Methylnaphthalene	4,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1600	ND	ND	ND	ND	710	-	-	-	-
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	320 J	ND	ND	ND	-	-	-	-
4-Nitrophenol	NA	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Acenaphthene	20,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	390 J	ND	820	970	-	-	-	-
Acenaphthylene	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	600	ND	ND	ND	ND	550	-	-	-	-
Anthracene	1,000,000	-	-	-	-	-	-	-	-	610	710	410	520	ND	720	ND	600	530	720	1800	-	-	-	-
Benzo(a)anthracene	700	-	-	-	-	-	-	-	-	**960**	**1200**	**730**	**1400**	ND	**1800**	490	**1500**	**1300**	**2300**	**3600**	-	-	-	-
Benzo(a)pyrene	700	-	-	-	-	-	-	-	-	**880**	**1000**	660	**1400**	ND	**1800**	470	**1400**	**1300**	**2500**	**3400**	-	-	-	-
Benzo(b)fluoranthene	700	-	-	-	-	-	-	-	-	**880**	**1600**	**950**	**2600**	ND	**4100**	**700**	**1900**	**1700**	**3400**	**6100**	-	-	-	-
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	-	-	-	-	-	-	-	-	390	ND	ND	ND	ND	ND	ND	ND	ND	330 J	ND	-	-	-	-
Benzo(k)fluoranthene	7,000	-	-	-	-	-	-	-	-	ND	700	ND	1000	ND	1400	ND	680	640	1200	2300	-	-	-	-
Bis(2-ethylhexyl)phthalate	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	450	420	ND	650	ND	ND	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	ND	420	ND	ND	ND	400	ND	ND	ND	**380 J**	1300	-	-	-	-
Chrysene	7,000	-	-	-	-	-	-	-	-	900	1200	680	1600	ND	2100	480	1400	1200	2200	3600	-	-	-	-
Dibenzo(a,h)anthracene	700	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Dibenzofuran	100,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	690	ND	ND	ND	620	1100	-	-	-	-
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	-	-	-	-	-	-	-	-	2200	3200	1700	3100	ND	3800	1200	3000	2600	4400	8200	-	-	-	-
Fluorene	400,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	410	ND	340 J	ND	710	980	-	-	-	-
Indeno(1,2,3-cd)pyrene	700	-	-	-	-	-	-	-	-	440	ND	ND	ND	ND	490	ND	ND	ND	460	480	-	-	-	-
Naphthalene	4,000	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	2000	ND	590	370 J	1100	1300	-	-	-	-
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	-	-	-	-	-	-	-	-	2000	3100	1500	1700	ND	2700	1000	2300	1900	3900	8500	-	-	-	-
Pyrene	700,000	-	-	-	-	-	-	-	-	1900	2000	1200	2200	ND	3100	1100	2200	1900	3200	5300	-	-	-	-
Total SVOCs (ug/kg)	NA	-	-	-	-	-	-	-	-	11160	15130	7830	15520	ND	28160	5860	15570	13720	27530	50190	-	-	-	-

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP57 T3	SP57 T4	SP57 T5	SP57 T6	SP57 T7	SP57 T8	SP57 T9	SP-57 T10	SP58	SP59	SP60	SP61	SP62	SP63	SP64	SP65	SP66	SP67	SP68	SP68 T1	SP68 T2	SP68 T3	SP68 T4
SAMPLING DATE	Reportable	21-Feb-01	21-Feb-01	21-Feb-01	01-Mar-01	01-Mar-01	01-Mar-01	01-Mar-01	01-Mar-01	26-Jan-01	26-Jan-01	26-Jan-01	26-Jan-01	30-Jan-01	02-Feb-01	02-Feb-01	09-Feb-01	09-Feb-01	09-Feb-01	09-Feb-01	21-Feb-01	21-Feb-01	21-Feb-01	21-Feb-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**1300**	**1300**	**860**	**350**	**610**	**220**	**230**	**210**	190	**220**	**250**	**560**	ND	**810**	ND	**280**	**540**	**240**	**370**	-	-	-	-
RCRA 8 Metals (mg/kg)																								
Arsenic	30	-	-	-	-	-	-	-	-	7.9	9.5	ND	8.2	ND	ND	ND	9.2	8.5	ND	**36**	16	13	14	5.7
Barium	1,000	-	-	-	-	-	-	-	-	64	52	39	53	ND	42	ND	56	52	38	160	95	120	84	39
Cadmium	30	-	-	-	-	-	-	-	-	ND	ND	ND	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65	ND
Chromium	1,000	-	-	-	-	-	-	-	-	22	18	ND	19	ND	25	ND	ND	14	ND	18	17	26	25	15
Lead	300	-	-	-	-	-	-	-	-	110	78	54	210	ND	31	ND	180	240	160	**3100**	240	**470**	240	65
Mercury	20	-	-	-	-	-	-	-	-	0.56	0.44	0.49	0.62	ND	0.27	0.8	2.7	4.4	5.2	5.3	3.2	5	0.77	0.26
Selenium	400	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	-	-	-	-	-	-	-	-	0.4	ND	ND	0.56	NA	NA	NA	1.2	1.5	1.3	50	ND	2.8	ND	NA
Mercury	NA	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0005	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	230	ND	ND	ND	ND	ND	-	-	-	-
Aroclor 1260	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	310	ND	ND	ND	ND	ND	-	-	-	-
Total PCBs (ug/kg)	2,000	-	-	-	-	-	-	-	-	ND	ND	ND	1900	ND	540	ND	ND	ND	ND	ND	-	-	-	-
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	-	-	-	-	-	-	-	-	9.1	11	11	7.7	7.6	7.2	8.3	7.1	7.5	7.5	7.5	-	-	-	-
Ignitability (degrees F)	NA	-	-	-	-	-	-	-	-	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	-	-	-	-
Reactive Cyanide (mg/kg)	NA	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Reactive Sulfide (mg/kg)	NA	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	1200	2600	2700	830	460	990	2600	990	1100	1200	1400	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP68 T5	SP69	SP69 T1	SP69 T2	SP69 T3	SP69 T4	SP70	SP71	SP72	SP73	SP74	SP75	SP76	SP77	SP78	SP79	SP-80	SP-81	SP-82	SP83	SP84	SP85	SP86
SAMPLING DATE	Reportable	21-Feb-01	14-Feb-01	01-Mar-01	01-Mar-01	01-Mar-01	01-Mar-01	14-Feb-01	14-Feb-01	14-Feb-01	14-Feb-01	14-Feb-01	21-Feb-01	23-Feb-01	01-Mar-01	02-Mar-01	09-Mar-01	09-Mar-01	15-Mar-01	15-Mar-01	20-Mar-01	20-Mar-01	20-Mar-01	27-Mar-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	-	390	-	-	-	-	ND	390	2500	1200	810	720	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	**4600**	ND	ND	ND	ND	ND	**570**	**1700**	320	ND	ND
Trichlorofluoromethane	1,000,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	-	390	-	-	-	-	ND	390	2500	1200	810	720	4600	ND	ND	ND	ND	ND	570	1700	320	ND	ND
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	-	1300	-	-	-	-	720	830	720	410	480	370 J	ND	ND	ND	ND	420	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	-	ND	-	-	-	-	2200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	-	2900	-	-	-	-	860	1900	1100	720	860	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	-	730	-	-	-	-	410	450	490	370	310 J	ND	ND	ND	1400 J	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	-	6200	-	-	-	-	1500	4000	2500	1600	1500	1700	ND	ND	3600	ND	ND	ND	740	ND	ND	730	ND
Benzo(a)anthracene	700	-	**12000**	-	-	-	-	**3000**	**7300**	**5400**	**3300**	**3500**	**2500**	640	**790**	**7800**	ND	**750**	ND	**1800**	520	540	**1400**	**710**
Benzo(a)pyrene	700	-	**11000**	-	-	-	-	**2600**	**6800**	**5100**	**3200**	**3600**	**2300**	**760**	**810**	**7200**	330	**770**	ND	**1500**	490	530	**1200**	690
Benzo(b)fluoranthene	700	-	14000 E	-	-	-	-	**3300**	**10000**	**8000**	**5100**	**5800**	**2200**	**1140**	**1300**	**8900**	ND	**1600**	440	**2000**	**780**	**870**	**1800**	**860**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	-	910	-	-	-	-	ND	ND	ND	ND	ND	1300	ND	ND	2700	ND	ND	ND	650	ND	ND	ND	ND
Benzo(k)fluoranthene	7,000	-	4500	-	-	-	-	1100	3200	2600	1700	1800	770	ND	480	2800	ND	480	ND	670	ND	ND	650	ND
Bis(2-ethylhexyl)phthalate	100,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	410
Carbazole	NA	-	2700	-	-	-	-	900	2000	1300	820	780	ND	ND	ND	**1600 J**	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	7,000	-	**11000**	-	-	-	-	2600	**7000**	4800	3100	3400	2300	660	790	**7200**	ND	800	ND	1700	610	590	1200	660
Dibenzo(a,h)anthracene	700	-	ND	-	-	-	-	ND	ND	ND	ND	ND	380 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	-	2600	-	-	-	-	730	1300	1000	600	700	470	ND	ND	940 J	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	-	23000 E	-	-	-	-	5700	14000 E	11000	6500	7000	4500	540	1700	18000	580	1600	840	4400	1100	1100	3200	1400
Fluorene	400,000	-	3200	-	-	-	-	860	1700	1100	740	780	830	ND	ND	1500 J	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	700	-	**1400**	-	-	-	-	510	**820**	670	370	ND	**1300**	540	ND	**2600**	ND	ND	ND	**700**	ND	ND	ND	ND
Naphthalene	4,000	-	2900	-	-	-	-	1300	1400	1500	980	1000	560	ND	ND	ND	ND	670	ND	ND	ND	ND	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	-	22000 E	-	-	-	-	5000	13000 E	9200	5700	6400	4200	ND	1100	14000	ND	970	590	2700	640	640	2800	970
Pyrene	700,000	-	19000 E	-	-	-	-	4900	11000	7900	5000	5400	3900	540	1100	14000	440	1000	660	3200	900	900	2600	1100
Total SVOCs (ug/kg)	NA	-	63340	-	-	-	-	38190	59700	64380	40210	43000	29510	8020	8070	88800	1350	9060	2530	20060	5040	5170	15580	6800

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP68 T5	SP69	SP69 T1	SP69 T2	SP69 T3	SP69 T4	SP70	SP71	SP72	SP73	SP74	SP75	SP76	SP77	SP78	SP79	SP-80	SP-81	SP-82	SP83	SP84	SP85	SP86
SAMPLING DATE	Reportable	21-Feb-01	14-Feb-01	01-Mar-01	01-Mar-01	01-Mar-01	01-Mar-01	14-Feb-01	14-Feb-01	14-Feb-01	14-Feb-01	14-Feb-01	21-Feb-01	23-Feb-01	01-Mar-01	02-Mar-01	09-Mar-01	09-Mar-01	15-Mar-01	15-Mar-01	20-Mar-01	20-Mar-01	20-Mar-01	27-Mar-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	-	**410**	**620**	**460**	**460**	**510**	**450**	**300**	**330**	**1000**	**310**	**420**	79	**280**	**700**	180	160	**210**	130	170	120	**290**	120
RCRA 8 Metals (mg/kg)																								
Arsenic	30	27	7.1	-	-	-	-	5.8	8.8	11	6.6	9.8	ND	ND	6.4	9.5	7.8	8.4	7.4	6.5	6.6	6.4	ND	7.9
Barium	1,000	53	66	-	-	-	-	55	72	63	62	85	27	40	41	54	46	45	510	41	41	44	51	41
Cadmium	30	2	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	0.67	ND	ND	ND	0.99	0.64	ND	ND	ND	ND
Chromium	1,000	32	26	-	-	-	-	16	14	ND	14	16	33	20	18	23	24	21	440	19	20	17	15	14
Lead	300	120	**370**	-	-	-	-	180	**470**	**480**	**310**	**390**	96	65	58	**350**	79	110	**2300**	76	87	97	100	88
Mercury	20	0.5	1.3	-	-	-	-	3.1	0.8	1.5	7.9	1.5	0.88	0.37	0.2	0.48	0.28	0.36	0.45	0.26	0.33	0.45	0.71	0.23
Selenium	400	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	ND	0.95	-	-	-	-	0.84	1.3	1.3	1.2	0.85	NA	NA	NA	0.27	NA	ND	ND	NA	NA	NA	0.38	NA
Mercury	NA	NA	NA	-	-	-	-	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	-	-	-	-	-	-	ND	ND	ND	ND	ND	610	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	-	-	-	-	-	-																	
Aroclor 1254	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	280
Aroclor 1260	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	ND	ND	ND	ND	ND	ND	270
Total PCBs (ug/kg)	2,000	-	ND	-	-	-	-	ND	ND	ND	ND	ND	610	ND	440	ND	ND	ND	ND	ND	ND	ND	ND	550
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	-	7.9	-	-	-	-	7.8	7.6	7.7	7.7	7.6	8.3	7.5	7.6	7.5	7.7	7.4	7.4	7.6	7.3	7.4	9.2	8.4
Ignitability (degrees F)	NA	-	>165	-	-	-	-	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	1400	-	-	-	-	1100	630	690	720	820	1900	1900	2500	920	2000	1900	1100	1700	1600	1100	1000	700

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP87	SP88	SP-89	SP90	SP91	SP92	SP93	SP94	SP95	SP96	SP97	SP98	SP99	SP100	SP101	SP102	SP103	SP104	SP105	SP106	SP107	SP108	SP109
SAMPLING DATE	Reportable	27-Mar-01	27-Mar-01	29-Mar-01	02-Apr-01	09-Apr-01	09-Apr-01	23-Apr-01	23-Apr-01	23-Apr-01	23-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	25-Apr-01	25-Apr-01	25-Apr-01	01-May-01	01-May-01	01-May-01	03-May-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	**450**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	ND	ND	450	ND	ND	ND	ND	ND	ND	ND	430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	640	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	480
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400
Acenaphthylene	100,000	ND	ND	ND	ND	ND	540	ND	ND	ND	ND	ND	880	ND	370	ND	ND	ND	ND	600	ND	ND	ND	ND
Anthracene	1,000,000	ND	380	780	730	ND	1200	ND	ND	ND	360	ND	2000	620	750	ND	ND	710	790	1400	ND	ND	ND	1300
Benzo(a)anthracene	700	520	**840**	**1400**	**1300**	530	**4700**	680	670	**770**	**970**	**1100**	**3000**	**1600**	**2300**	**1200**	**1100**	**2200**	**2200**	**3300**	**1100**	**940**	**1500**	**3000**
Benzo(a)pyrene	700	450	**790**	**1200**	**1200**	420	**4800**	680	610	**750**	**1000**	**1100**	**2800**	**1600**	**2300**	**1100**	**1200**	**2200**	**2100**	**3300**	**870**	**810**	**1400**	**2500**
Benzo(b)fluoranthene	700	510	**900**	**1300**	**1500**	430	**6400**	**1200**	**980**	**1300**	**1700**	**1600**	**3600**	**2300**	**3300**	**1900**	**2000**	**2800**	**2500**	**4100**	**1100**	**1000**	**1800**	**3500**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	ND	560	470	590	ND	470	ND	ND	ND	ND	410	650	ND	460	ND	ND	1000	1000	970	520	500	710	820
Benzo(k)fluoranthene	7,000	ND	ND	470	500	ND	2100	ND	ND	450	470	510	1200	750	1000	600	660	980	900	1300	ND	ND	520	950
Bis(2-ethylhexyl)phthalate	100,000	480	460	690	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	ND	ND	ND	ND	ND	ND	640	ND	ND	620	500
Chrysene	7,000	440	790	1300	1300	450	3800	710	660	700	880	1100	2700	1600	2200	1200	1100	2100	2000	3100	990	860	1500	2900
Dibenzo(a,h)anthracene	700	ND	ND	380	470	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	720	ND	380	ND	ND	ND	ND	490	ND	ND	ND	410
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	1100	1900	3200	3200	1100	7700	1400	1600	1600	2000	2200	7700	3600	4700	2300	2300	4600	4700	7400	2400	1900	3500	6500
Fluorene	400,000	ND	ND	380	ND	ND	ND	ND	ND	ND	ND	ND	940	ND	410	ND	ND	ND	ND	600	ND	ND	ND	490
Indeno(1,2,3-cd)pyrene	700	ND	540	580	680	ND	600	ND	ND	ND	ND	530	**900**	510	660	350	ND	ND	**1200**	**1300**	650	610	**910**	**1000**
Naphthalene	4,000	ND	ND	390	470	ND	ND	510	ND	ND	ND	490	870	490	580	ND	ND	ND	ND	490	ND	ND	ND	590
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	980	1700	3000	2700	1100	2100	980	870	1000	1200	1200	6700	2000	2900	1200	1300	2700	2900	5700	1700	1300	2700	4700
Pyrene	700,000	950	1600	2700	2300	970	5600	850	980	950	1200	1800	6000	2800	3800	1800	1800	3800	3800	6000	2000	1700	3100	4700
Total SVOCs (ug/kg)	NA	5430	10460	18240	17870	5000	40010	7010	6370	7520	9780	12040	41590	17870	26750	11650	11460	23090	24090	40690	11330	9620	18260	34740

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP87	SP88	SP-89	SP90	SP91	SP92	SP93	SP94	SP95	SP96	SP97	SP98	SP99	SP100	SP101	SP102	SP103	SP104	SP105	SP106	SP107	SP108	SP109
SAMPLING DATE	Reportable	27-Mar-01	27-Mar-01	29-Mar-01	02-Apr-01	09-Apr-01	09-Apr-01	23-Apr-01	23-Apr-01	23-Apr-01	23-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	24-Apr-01	25-Apr-01	25-Apr-01	25-Apr-01	01-May-01	01-May-01	01-May-01	03-May-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	ND	ND	**240**	ND	140	**750**	**320**	ND	170	**260**	170	**200**	150	150	170	150	**240**	**390**	**290**	110	93	140	190
RCRA 8 Metals (mg/kg)																								
Arsenic	30	8.4	ND	8.1	8.7	7.6	6.6	8.9	ND	ND	6.5	6.7	5.9	7.3	9.6	6.4	ND	15	11	11	5.6	ND	6.1	6.5
Barium	1,000	320	49	54	61	49	45	56	46	41	56	47	38	52	55	39	25	68	53	66	31	28	31	65
Cadmium	30	0.86	ND	0.72	0.95	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68	0.67	0.77	ND	ND	ND	0.67
Chromium	1,000	32	17	18	28	24	12	23	18	ND	ND	17	13	21	25	15	12	31	15	15	15	ND	12	25
Lead	300	64	98	91	95	73	110	140	75	110	120	110	98	140	180	120	99	**340**	280	**310**	100	100	100	**340**
Mercury	20	0.65	0.85	0.48	0.26	0.33	0.4	0.39	0.2	0.31	0.41	0.28	0.27	0.54	0.64	0.19	0.16	0.86	0.8	0.92	0.22	0.24	0.28	0.9
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	NA	NA	NA	NA	NA	1.1	ND	NA	ND	5.8	ND	NA	0.27	0.29	0.33	NA	1.4	0.61	0.93	ND	ND	ND	0.9
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000																							
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	ND	ND	100	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	8.6	8.4	9.4	7.8	7.6	6.9	7.7	7.7	7.9	7.8	7.5	7.6	7.7	7.6	7.7	7.7	7.4	7.4	7.5	7.6	7.8	7.9	7.4
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	330	740	1300	2100	1500	950	1000	3800	1800	2300	1330	2700	2450	2110	572	673	1500	1600	1400	770	790	850	2000

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP110	SP111	SP112	SP113	SP114	SP115	SP116	SP117	SP118	SP119	SP120	SP121	SP122	SP123	SP124	SP125	SP126	SP127	SP128	SP129	SP130	SP131	SP132
SAMPLING DATE	Reportable	03-May-01	03-May-01	03-May-01	03-May-01	03-May-01	04-May-01	04-May-01	09-May-01	09-May-01	09-May-01	09-May-01	10-May-01	14-May-01	14-May-01	14-May-01	14-May-01	14-May-01	17-May-01	21-May-01	21-May-01	21-May-01	23-May-01	23-May-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	450	410
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	980	860
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2600	2100
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	440	ND	ND	ND	ND	820	350	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	440	ND	ND	ND	ND	820	4380	3370
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	620	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	690	830	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	450	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	820	980	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	410	510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	690	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	380	440	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	380	480	ND	ND	ND	450	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200 J	560	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	2300	370	ND	450	760	ND	ND	580	400	ND	ND	1500	ND	ND	ND	590	380	ND	ND	ND	3000	ND	360 J
Acenaphthylene	100,000	ND	370	ND	ND	ND	ND	ND	ND	ND	ND	650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	420	710
Anthracene	1,000,000	6500	1300	750	1400	2000	870	ND	1600	1100	ND	560	3100	370	ND	ND	2100	970	ND	770	970	8100	1400	3700
Benzo(a)anthracene	700	**12000**	**3100**	**2300**	**2900**	**3500**	**930**	**780**	**3100**	**2700**	610	**4100**	**5600**	**1100**	1200 j	**880**	**4500**	**2200**	650	**1900**	**2700**	**11000**	**3800**	**7600**
Benzo(a)pyrene	700	**10000**	**3000**	**2200**	**2800**	**3100**	620	680	**2800**	**2500**	530	**2700**	**5300**	**980**	920 j	**760**	**4100**	**2100**	600	**1600**	**2400**	**9100**	**3700**	**6600**
Benzo(b)fluoranthene	700	**13000**	**4700**	**3600**	**4600**	**5200**	690	**800**	**4000**	**3900**	**960**	**5400**	**5800**	**1100**	1000 j	**930**	**5600**	**2800**	**750**	**2300**	**3800**	**11000**	**6100**	**6300**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	9800	780	570	680	640	ND	390	780	620	ND	540	1700	480	ND	ND	710	460	ND	450	530	3400	380	2800
Benzo(k)fluoranthene	7,000	4200	1700	1200	1300	1700	ND	ND	1300	1300	350	1700	1700	420	ND	350	1900	840	ND	710	1200	4000	1900	2500
Bis(2-ethylhexyl)phthalate	100,000	ND	1300	1100	1500	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	3400	500	ND	610	870	ND	ND	440	640	ND	ND	960	ND	ND	ND	570	450	ND	ND	370	3300	ND	ND
Chrysene	7,000	**11000**	2900	2200	2800	3200	730	720	2800	2600	660	4000	5500	1100	1200 j	850	4400	2100	630	1800	2500	**10000**	3200	6100
Dibenzo(a,h)anthracene	700	**2400**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1500 J	ND	**1200**
Dibenzofuran	100,000	1500 j	370	ND	470	700	ND	ND	530	470	ND	ND	990	ND	ND	ND	430	ND	ND	ND	ND	2700	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	32000	7500	4800	7000	8700	1900	1600	8000	6500	1200	9300	15000	2200	2100	1800	12000	5200	1200	4600	6100	31000	7100	15000
Fluorene	400,000	2400	480	ND	530	780	430	ND	780	500	ND	ND	1400	ND	ND	ND	790	460	ND	ND	340	4100	ND	ND
Indeno(1,2,3-cd)pyrene	700	**9200**	**1000**	**750**	**910**	**870**	410	460	**1000**	**800**	ND	**800**	**2300**	600	ND	ND	**1000**	650	ND	590	**740**	**4600**	560	**3600**
Naphthalene	4,000	960 j	510	450	550	670	ND	ND	600	1000	580	640	1400	ND	ND	ND	480	570	ND	610	390	3000	520	630 J
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	27000	4800	3100	5700	7400	2300	1100	6800	5100	910	1500	12000	1200	1500 j	1100	7800	3900	780	3000	3500	32000	2300	4800
Pyrene	700,000	27000	5200	3200	4400	5100	1500	1400	5000	4000	900	7200	12000	2000	2200	1600	7600	3700	1100	3400	4100	23000	4600	12000
Total SVOCs (ug/kg)	NA	172200	39880	26220	38980	47070	10380	7930	40110	34580	9500	42470	76250	11550	4300	8270	54570	26780	5710	21730	29640	163300	37680	72910

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP110	SP111	SP112	SP113	SP114	SP115	SP116	SP117	SP118	SP119	SP120	SP121	SP122	SP123	SP124	SP125	SP126	SP127	SP128	SP129	SP130	SP131	SP132
SAMPLING DATE	Reportable	03-May-01	03-May-01	03-May-01	03-May-01	03-May-01	04-May-01	04-May-01	09-May-01	09-May-01	09-May-01	09-May-01	10-May-01	14-May-01	14-May-01	14-May-01	14-May-01	14-May-01	17-May-01	21-May-01	21-May-01	21-May-01	23-May-01	23-May-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**230**	**210**	**320**	**310**	**270**	130	110	**360**	**300**	180	**670**	**390**	150	**1700**	**200**	**200**	**500**	180	**200**	**200**	**420**	**490**	180
RCRA 8 Metals (mg/kg)																								
Arsenic	30	6.2	6.5	12	10	12	4.6	4.6	5.2	5.9	7.9	13	8.8	2.3	2.3	2.8	6.1	5.4	7	6.6	6.3	6.5	6.2	5.8
Barium	1,000	51	62	84	76	90	55	49	47	50	85	90	56	24	27	26	53	43	46	49	42	49	56	52
Cadmium	30	0.56	0.82	0.74	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	25	29	14	13	14	16	13	45	ND	14	ND	14	ND	12	10	24	18	13	22	17	19	13	14
Lead	300	180	220	280	290	**320**	91	72	200	120	280	230	160	110	36	42	100	95	150	120	84	97	170	150
Mercury	20	0.86	1.5	2.1	2.1	1.8	0.1	0.12	0.56	0.41	1.5	3.2	0.8	0.17	0.16	0.15	0.33	0.36	1.9	0.26	0.26	0.24	0.39	0.49
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	1.1	0.78	0.44	0.79	0.97	NA	NA	ND	ND	45	0.39	ND	ND	NA	NA	ND	NA	ND	ND	NA	NA	0.55	0.62
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000								810	790	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	630	ND	ND	ND	ND	ND	ND	110	110	170	ND	ND
Aroclor 1260	2,000	ND	ND	ND	ND	ND	ND	ND	540	370	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	ND	ND	ND	1350	1160	ND	ND	630	ND	ND	ND	ND	ND	190	110	110	170	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	7.5	7.6	7.7	7.7	7.8	7.8	7.7	7.8	10.5	6.1	6.7	8	8.1	8.4	8.9	8.2	8.3	7.8	8.4	7.8	7.9	8.5	8.5
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	1400	1400	1200	1400	1300	2400	1700	870	1400	3700	4500	1600	1100	920	970	1700	1500	1500	2200	6100	1600	1400	1100

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP133	SP134	SP135	SP136	SP137	SP138	SP139	SP140	SP141	SP142	SP143	SP144	SP145	SP146	SP147	SP148	SP149	SP150	SP151	SP152	SP153	SP155	SP156	SP157	SP158
SAMPLING DATE	Reportable	29-May-01	29-May-01	29-May-01	30-May-01	30-May-01	31-May-01	31-May-01	01-Jun-01	01-Jun-01	01-Jun-01	06-Jun-01	15-Jun-01	20-Jul-01	20-Jul-01	20-Jul-01	20-Jul-01	23-Jul-01	23-Jul-01	23-Jul-01	23-Jul-01	30-Jul-00	30-Aug-01	30-Aug-01	30-Aug-01	30-Aug-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																										
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	420	ND	ND	690	ND	460	ND	400	950	920	640	600	540	460	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**640**	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	420	ND	ND	690	ND	460	870	400	950	920	640	600	540	1100	ND	ND	ND	ND	ND	ND	ND
SVOCs by 8270 (ug/kg)																										
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	ND	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	1000	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	420	410	ND	ND	860	ND	1700 J	ND	570	ND	490	ND	1100	500	750	ND	ND	ND	ND	ND	1500	730
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	1000 J	ND	ND	ND	ND	ND	ND	580	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	990	730	910	1500	1200	520	ND	1800	3400	5300	860	1300	ND	1100	660	2600	1100	1600	ND	360	520	ND	390	2400	1400
Benzo(a)anthracene	700	**3400**	**3500**	**3100**	**3500**	**3000**	**1500**	**1000**	**3400**	**12000**	**11000**	**3200**	**2700**	520	**3000**	**1500**	**4700**	**2400**	**3200**	**710**	**810**	**950**	**900**	**1100**	**2800**	**2400**
Benzo(a)pyrene	700	**3200**	**3400**	**2900**	**3100**	**2800**	**1300**	**880**	**3000**	**9400**	**9500**	**3000**	**2400**	490	**2700**	**1500**	**4300**	**2100**	**2800**	610	**740**	**990**	**850**	**1000**	**2500**	**2100**
Benzo(b)fluoranthene	700	**3200**	**3600**	**2800**	**5300**	**4900**	**1600**	**1100**	**3400**	**11000**	**11000**	**3300**	**2500**	570	**3300**	**1900**	**5400**	**2500**	**3200**	**730**	**960**	**1100**	**720**	**750**	**2100**	**1700**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	1700	1400	1200	530	510	970	560	1200	2600	3000	1600	1700	ND	640	ND	570	1200	1300	ND	350	ND	610	700	1300	950
Benzo(k)fluoranthene	7,000	1100	1100	1000	2000	1600	580	380	1100	4000	4100	1000	870	ND	1300	620	2100	920	1300	ND	ND	400	590	840	1700	1500
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	ND	ND	ND	580	510	ND	ND	820	**1100 J**	ND	ND	470	ND	550	ND	1300	470	640	ND	ND	ND	ND	ND	560	460
Chrysene	7,000	3100	3000	2600	3200	2700	1500	890	3000	**9100**	**9500**	2700	2400	510	2900	1500	4500	2300	3100	670	860	980	860	1000	2600	2200
Dibenzo(a,h)anthracene	700	630	600	510	ND	ND	360	ND	460	1400 J	1300 J	590	500	ND	ND	ND	ND	380	380	ND	ND	ND	ND	ND	440	390
Dibenzofuran	100,000	ND	ND	ND	490	ND	ND	ND	750	ND	1400 J	ND	490	ND	380	ND	960	ND	410	ND	ND	ND	ND	ND	1100	530
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	6400	6700	5900	8500	7200	3200	2000	9800	22000	32000	6100	5800	1100	5500	2900	8500	4500	6000	1400	1700	1900	1700	2100	5700	4700
Fluorene	400,000	ND	ND	ND	520	460	ND	ND	870	ND	2300 J	ND	600	ND	540	ND	1400	520	780	ND	ND	ND	ND	ND	1500	810
Indeno(1,2,3-cd)pyrene	700	**2000**	**1900**	**1600**	690	660	**1100**	640	**1500**	**3400**	**3900**	**1900**	**1900**	ND	**870**	420	**820**	**1300**	**1400**	ND	390	460	650	**770**	**1700**	**1300**
Naphthalene	4,000	390	410	ND	670	570	ND	360	980	1200 J	ND	540	750	ND	460	420	980	ND	440	ND	ND	420	ND	ND	1700	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	2200	2100	1500	6200	4800	2100	1400	9300	11000	24000	1500	5000	760	4200	2200	7700	3600	5300	1100	1200	1600	1100	1500	6500	4300
Pyrene	700,000	5400	5500	4900	5100	4400	2700	1700	7000	19000	23000	4900	5500	920	4800	2500	7100	3800	5100	1200	1400	1500	1600	2000	4700	4300
Total SVOCs (ug/kg)	NA	33710	33940	28920	42300	35720	17430	10910	49240	106900	136300	31650	35450	4870	32730	16120	55180	27590	37700	6420	8770	10820	9580	12150	41800	29770

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP133	SP134	SP135	SP136	SP137	SP138	SP139	SP140	SP141	SP142	SP143	SP144	SP145	SP146	SP147	SP148	SP149	SP150	SP151	SP152	SP153	SP155	SP156	SP157	SP158
SAMPLING DATE	Reportable	29-May-01	29-May-01	29-May-01	30-May-01	30-May-01	31-May-01	31-May-01	01-Jun-01	01-Jun-01	01-Jun-01	06-Jun-01	15-Jun-01	20-Jul-01	20-Jul-01	20-Jul-01	20-Jul-01	23-Jul-01	23-Jul-01	23-Jul-01	23-Jul-01	30-Jul-00	30-Aug-01	30-Aug-01	30-Aug-01	30-Aug-01
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**320**	**330**	**310**	**410**	**420**	90	**580**	**250**	**280**	100	**250**	**250**	**370**	**350**	**330**	**310**	**330**	**1200**	**520**	130	**390**	**330**	**650**	**210**	180
RCRA 8 Metals (mg/kg)																										
Arsenic	30	6.9	6.2	7.5	8.3	9	8.7	7.9	7.9	9.2	8.1	5.6	8.2	**35**	9.6	7.2	11	9.3	7.5	7.4	5.8	7.7	7	6.2	7.7	7.3
Barium	1,000	68	55	78	78	72	71	110	61	47	52	44	46	43	69	53	76	49	40	38	36	76	50	44	54	38
Cadmium	30	ND	ND	ND	0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	15	14	18	19	17	13	21	20	14	13	ND	16	21	22	15	18	15	ND	17	16	ND	19	19	21	15
Lead	300	250	200	260	270	210	200	150	190	260	280	150	240	89	180	120	290	99	140	51	60	220	85	96	95	230
Mercury	20	1.4	0.75	1.2	0.56	0.58	0.67	0.47	1.3	0.91	1.1	0.51	0.92	0.24	0.87	0.25	1.7	0.45	0.71	0.18	0.29	1.7	0.34	0.33	0.47	2.3
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																										
Lead	NA	1.4	0.97	1.2	ND	ND	ND	ND	ND	0.28	0.25	0.4	0.96	NA	0.35	0.56	0.3	NA	ND	NA	NA	1.3	NA	NA	NA	1.6
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																										
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																										
Corrosivity (pH)	NA	7.4	7.5	7.8	9.7	9.7	7.7	7.5	8.2	8.7	8	7.8	7.6	7.8	8.1	7.8	8.4	8.3	8.4	8.6	6.8	6.2	8.2	8.2	8	8.1
Ignitability (degrees F)	NA	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165	>165
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																										
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	850	940	880	1700	1400	1200	1800	1000	1100	1100	950	1800	1400	2500	2400	3200	1100	1000	1100	4900	3600	1800	2000	3100	1500

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP159	SP160	SP161	SP162	SP163	SP164	SP165	SP166
SAMPLING DATE	Reportable	30-Aug-01	10-Sep-01	23-Sep-02	23-Sep-02	23-Sep-02	23-Sep-02	23-Sep-02	23-Sep-02
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)									
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	140	ND	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	ND	ND	ND	ND	140	ND	ND
SVOCs by 8270 (ug/kg)									
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	390	ND	ND	ND	ND	ND	290	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	1900	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	3700	ND	540	ND	500	440	760	ND
Benzo(a)anthracene	700	**4600**	450	**1300**	**790**	**1200**	**920**	**2100**	**810**
Benzo(a)pyrene	700	**3900**	430	**1200**	**760**	**1200**	**810**	**2100**	**780**
Benzo(b)fluoranthene	700	**3800**	ND	**1500**	**910**	**1400**	**900**	**2600**	**970**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	1400	ND	520	320	490	310	1400	550
Benzo(k)fluoranthene	7,000	1900	ND	470	320	510	380	840	350
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	1100	ND	ND	ND	ND	ND	ND	ND
Chrysene	7,000	4200	450	1200	770	1200	850	2100	790
Dibenzo(a,h)anthracene	700	580	ND	ND	ND	ND	ND	390	ND
Dibenzofuran	100,000	1300	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	10000	930	2400	1300	2300	1500	3500	1300
Fluorene	400,000	2100	ND	ND	ND	ND	ND	280	ND
Indeno(1,2,3-cd)pyrene	700	**2100**	ND	650	400	620	400	**1600**	610
Naphthalene	4,000	650	ND	ND	ND	ND	ND	430	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-
Phenanthrene	100,000	11000	1100	2100	810	1800	1300	2300	840
Pyrene	700,000	8500	830	2200	1300	2100	1500	3700	1300
Total SVOCs (ug/kg)	NA	63120	4190	14080	7680	13320	9310	24390	8300

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	2003 MCP	SP159	SP160	SP161	SP162	SP163	SP164	SP165	SP166
SAMPLING DATE	Reportable	30-Aug-01	10-Sep-01	23-Sep-02	23-Sep-02	23-Sep-02	23-Sep-02	23-Sep-02	23-Sep-02
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**220**	**360**	ND	ND	**220**	160	**640**	**380**
RCRA 8 Metals (mg/kg)									
Arsenic	30	6.2	5.5	19	14	16	20	13	18
Barium	1,000	56	39	54	57	55	71	47	58
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	14	21	25	24	21	27	16	29
Lead	300	270	33	73	59	150	130	99	190
Mercury	20	1.7	0.067	0.17	0.18	0.73	1.2	0.37	0.25
Selenium	400	ND	ND	ND	18	16	15	16	18
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)									
Lead	NA	1.2	NA	NA	NA	ND	ND	NA	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)									
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	ND	ND	98	120	99	69	110	52
Aroclor 1260	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	ND	ND	98	120	99	69	110	52
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-
Waste Characteristics									
Corrosivity (pH)	NA	8.1	7.9	7.5	9.3	7.9	7.2	7.6	7.6
Ignitability (degrees F)	NA	>165	>165	>200	>200	>200	>200	>200	>200
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	82	ND	ND	ND
Inorganic Chemistry									
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	1700	3000	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP167	SP168	SP169	SP170	SP171	SP172	SP173	SP174	SP175	SP176	SP177	SP178	SP179	SP180	SP181	SP182	SP183	SP184	SP185	SP186	SP187	SP188	SP189	SP190
SAMPLING DATE	Reportable	23-Sep-02	23-Sep-02	23-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																									
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	130	120	ND	ND	190	140	210	79	340	270	99	ND	53	320	250	150	87	ND	ND	940	95	ND	100	92
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	34	47	ND	65	ND	39	71	440	ND	ND	ND	ND	40	ND	40	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	130	120	ND	ND	190	174	257	79	405	270	248	71	524	320	250	150	87	40	ND	1037	95	ND	100	92
SVOCs by 8270 (ug/kg)																									
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	350	ND	390	ND	ND	ND	ND	ND	280	710	460	ND	ND	ND	ND	ND	ND	ND	ND	460	ND	ND	340	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	1100	710	930	340	640	650	570	530	600	1700	1200	580	450	320	450	590	600	530	310	890	650	320	840	410
Benzo(a)anthracene	700	**2200**	**1700**	**2100**	**840**	**1800**	**1500**	**1500**	**1300**	**1400**	**3100**	**3000**	**1800**	**1100**	**780**	**1300**	**1600**	**1700**	**1400**	**1000**	**2700**	**2000**	**830**	**1600**	**1100**
Benzo(a)pyrene	700	**1900**	**1600**	**2000**	**820**	**1700**	**1500**	**1400**	**1200**	**1300**	**2800**	**2900**	**1800**	**1100**	**700**	**1200**	**1600**	**1600**	**1300**	**970**	**2700**	**2000**	**810**	**1500**	**1100**
Benzo(b)fluoranthene	700	**2200**	**1900**	**2400**	**1000**	**2000**	**1700**	**1700**	**1400**	**1600**	**3300**	**3300**	**2100**	**1200**	**950**	**1400**	**1900**	**1900**	**1500**	**1200**	**3100**	**2300**	**970**	**1600**	**1200**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	1200	1000	1300	500	1000	1300	930	840	860	1800	1900	1200	660	490	840	1100	1100	870	720	1800	1300	530	980	660
Benzo(k)fluoranthene	7,000	740	690	720	360	730	690	590	490	500	1100	1100	710	460	300	550	620	660	540	420	1100	860	320	640	420
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	290	290	350	ND	ND	ND	ND	ND	ND	680	430	ND	ND	ND	ND	ND	ND	ND	ND	370	ND	ND	310	ND
Chrysene	7,000	2000	1600	2100	870	1700	1500	1400	1300	1400	2900	2900	1700	1000	720	1200	1500	1600	1300	960	2600	1900	810	1500	1000
Dibenzo(a,h)anthracene	700	340	290	350	ND	ND	ND	ND	ND	ND	490	530	360	ND	ND	ND	ND	310	ND	ND	470	370	ND	ND	ND
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	610	350	ND	ND	ND	ND	ND	ND	ND	ND	380	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	4000	3200	3800	1500	3000	2700	2600	2500	2800	6300	5600	3000	2000	1300	2100	2900	2800	2500	1700	5000	3200	1400	3100	1900
Fluorene	400,000	380	320	410	ND	ND	300	ND	ND	300	840	470	ND	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	380	ND
Indeno(1,2,3-cd)pyrene	700	**1300**	**1200**	**1400**	550	**1100**	**1200**	**1000**	**910**	**940**	**2000**	**2200**	**1300**	**710**	530	**890**	**1200**	**1200**	**970**	**790**	**2100**	**1500**	600	**1100**	**760**
Naphthalene	4,000	310	320	330	ND	300	ND	ND	ND	280	690	490	320	ND	ND	ND	290	ND	280	ND	560	330	ND	310	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	3200	2400	3200	1200	1800	2100	1900	2200	2100	6200	4100	1900	1500	810	1500	2400	2100	2200	1100	3700	1900	1000	2900	1500
Pyrene	700,000	4000	3200	3900	1600	3200	2800	2700	2500	2800	6000	5400	3000	2000	1300	2200	2900	3000	2600	1800	5000	3200	1500	3200	2100
Total SVOCs (ug/kg)	NA	25510	20420	25680	9580	18970	17940	16290	15170	17160	41540	36330	19770	12180	8200	13630	18600	18570	15990	10970	33400	22710	9090	20300	12150

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BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP167	SP168	SP169	SP170	SP171	SP172	SP173	SP174	SP175	SP176	SP177	SP178	SP179	SP180	SP181	SP182	SP183	SP184	SP185	SP186	SP187	SP188	SP189	SP190
SAMPLING DATE	Reportable	23-Sep-02	23-Sep-02	23-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	24-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02	25-Sep-02
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**290**	**440**	**350**	ND	ND	150	ND	180	**210**	ND	160	ND	**240**	ND	170	ND	**270**	ND	160	ND	**380**	130	ND	**250**
RCRA 8 Metals (mg/kg)																									
Arsenic	30	19	16	19	ND	ND	ND	ND	ND	ND	ND	12	ND	18	18	19	19	15	18	16	15	22	17	17	17
Barium	1,000	96	69	710	59	96	59	58	58	55	67	86	80	68	54	65	78	61	58	61	55	71	52	58	55
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	26	24	24	22	20	21	23	26	19	20	25	24	28	25	28	26	24	26	24	22	40	26	27	27
Lead	300	120	110	**330**	110	130	110	270	82	110	120	**310**	210	150	90	180	180	150	120	110	100	110	65	66	83
Mercury	20	0.53	0.43	0.48	0.38	0.26	0.4	0.39	0.35	0.52	0.56	1.6	0.87	0.61	0.43	0.4	0.73	0.98	0.38	0.88	0.53	0.7	0.23	0.37	0.28
Selenium	400	17	16	ND	15	17	18	16	16	ND	18	ND	16	1	19	1.1	1.2	19	ND	ND	19	0.77	18	ND	0.78
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																									
Lead	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	1.1	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																									
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3900**	170	200	360	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	67	93	460	94	99	140	110	94	100	120	ND	39	ND	ND	ND	ND	ND	51	100	62	110	ND	40	32
Aroclor 1260	2,000	ND	ND	ND	65	78	110	ND	ND	ND	ND	ND	37	ND	70	120	ND	73	ND	ND	ND	ND	320	ND	32
Total PCBs (ug/kg)	2,000	67	93	460	159	177	250	110	94	100	120	ND	76	**3900**	240	320	360	73	51	100	62	110	320	40	64
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																									
Corrosivity (pH)	NA	9	9	7.7	7.9	8.2	8.8	8.5	8.9	9.2	10	7.4	7.2	7.4	7	7.3	7.2	7.3	7.2	7.7	7.5	7.8	7.4	7.2	7.4
Ignitability (degrees F)	NA	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																									
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

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PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP191	SP192	SP193	SP194	SP194A	SP194B	SP194C	SP194D	SP195	SP196	SP197	SP198	SP199	SP200	SP201	SP202	SP203	SP204	SP205	SP206	SP207	SP208	SP209	SP210
SAMPLING DATE	Reportable	25-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																									
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	**350**	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	110	-	-	-	-	140	ND	ND	ND	ND	ND	66	490	180	190	110	140	120	200	150	75
n-Propylbenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	67	39	ND	ND	-	-	-	-	28	ND	ND	ND	ND	ND	89	51	47	ND	ND	ND	ND	86	ND	ND
Toluene	90,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48	ND	ND
Total VOCs (ug/kg)	NA	67	39	ND	110	-	-	-	-	168	ND	ND	ND	ND	ND	155	891	227	190	110	140	120	534	150	75
SVOCs by 8270 (ug/kg)																									
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	630	ND	ND	890	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	ND	ND	ND	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	1000	430	ND	1900	-	-	-	-	ND	ND	ND	ND	ND	990	ND	280	460	ND	450	ND	ND	ND	ND	320
Acenaphthylene	100,000	ND	ND	ND	350	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	3400	1000	540	4700	-	-	-	-	600	ND	ND	ND	ND	2000	330	800	1300	470	900	920	460	450	380	870
Benzo(a)anthracene	700	**4500**	**1600**	**1200**	**8800**	-	-	-	-	**1500**	ND	580	580	440	**2800**	**910**	**1700**	**2300**	**1000**	**1500**	**2000**	**950**	**940**	**830**	**1700**
Benzo(a)pyrene	700	**3600**	**1500**	**1000**	**7700**	-	-	-	-	**1300**	ND	540	580	410	**2300**	**870**	**1400**	**1900**	**930**	**1200**	**1700**	**780**	**870**	**790**	**1600**
Benzo(b)fluoranthene	700	**3900**	**1700**	**1300**	**8600**	-	-	-	-	**1600**	ND	670	690	460	**2400**	**1000**	**1600**	**2400**	**1100**	**1500**	**2200**	**870**	**1100**	**990**	**1800**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	1900	890	530	4800	-	-	-	-	880	ND	370	430	300	1300	540	730	1000	520	680	1000	430	500	500	920
Benzo(k)fluoranthene	7,000	1400	700	460	3400	-	-	-	-	510	ND	ND	ND	ND	940	320	600	830	360	520	740	390	360	360	580
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	1000	310	ND	2000	-	-	-	-	ND	ND	ND	ND	ND	870	ND	ND	660	ND	340	ND	ND	ND	ND	ND
Chrysene	7,000	3900	1400	1100	**7900**	-	-	-	-	1300	ND	570	570	420	2600	880	1500	2200	960	1400	2000	940	940	870	1600
Dibenzo(a,h)anthracene	700	580	ND	ND	**1300**	-	-	-	-	ND	ND	ND	ND	ND	390	ND	ND	320	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	1200	ND	ND	1500	-	-	-	-	ND	ND	ND	ND	ND	790	ND	ND	430	ND	350	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	8900	3700	2500	18000	-	-	-	-	2800	310	1100	1100	780	6000	1600	3300	5300	2000	2800	3800	2100	2000	1800	3400
Fluorene	400,000	1400	420	ND	2900	-	-	-	-	ND	ND	ND	ND	ND	1200	ND	340	700	ND	510	ND	ND	ND	ND	370
Indeno(1,2,3-cd)pyrene	700	**2300**	**990**	620	**5200**	-	-	-	-	**960**	ND	420	470	320	**1500**	600	**810**	**1200**	610	**750**	**1000**	540	540	470	**990**
Naphthalene	4,000	860	ND	ND	2800	-	-	-	-	ND	ND	ND	ND	ND	270	ND	370	350	ND	420	ND	ND	ND	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	10000	3300	1900	18000	-	-	-	-	2100	ND	860	670	580	8100	1100	2400	5300	1500	3300	2500	1800	1700	1600	3000
Pyrene	700,000	8100	3200	2100	15000	-	-	-	-	2700	320	1000	1100	810	5300	1600	3100	4600	1900	2900	3900	1900	1900	1700	3500
Total SVOCs (ug/kg)	NA	58570	21140	13250	115740	-	-	-	-	16250	630	6110	6190	4520	39750	9750	18930	31250	11350	19780	21760	11160	11300	10290	20650

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP191	SP192	SP193	SP194	SP194A	SP194B	SP194C	SP194D	SP195	SP196	SP197	SP198	SP199	SP200	SP201	SP202	SP203	SP204	SP205	SP206	SP207	SP208	SP209	SP210
SAMPLING DATE	Reportable	25-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	26-Sep-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02	21-Oct-02
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	120	**320**	**690**	**270**	ND	ND	ND	ND	**230**	130	130	190	**320**	**300**	180	**290**	170	**890**	130	**310**	**220**	190	190	150
RCRA 8 Metals (mg/kg)																									
Arsenic	30	21	22	19	17	-	-	-	-	20	21	18	24	19	23	20	10	9.7	11	12	12	10	10	11	10
Barium	1,000	64	71	65	64	-	-	-	-	79	58	63	66	58	74	63	58	64	85	56	77	75	62	54	53
Cadmium	30	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	26	31	25	19	-	-	-	-	24	26	19	24	26	25	24	19	20	23	21	27	28	20	22	23
Lead	300	290	88	100	120	-	-	-	-	100	71	76	170	95	160	83	100	89	150	100	100	110	71	77	88
Mercury	20	0.34	0.4	0.4	0.74	-	-	-	-	0.59	0.29	0.44	0.58	0.41	0.4	0.35	0.54	0.42	0.74	0.4	0.38	0.26	0.29	0.4	0.36
Selenium	400	18	ND	ND	ND	-	-	-	-	1.2	ND	ND	2.1	0.94	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	2.2	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.98	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																									
Lead	NA	ND	NA	ND	ND	-	-	-	-	ND	NA	NA	ND	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																									
Aroclor 1242/1016	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	170	160	ND	ND	ND	160	ND	100	ND	**2900**
Aroclor 1254	2,000	ND	ND	ND	ND	-	-	-	-	140	ND	40	ND	ND	ND	ND	220	ND	ND	41	260	54	110	180	**2000**
Aroclor 1260	2,000	59	66	110	100	-	-	-	-	150	89	53	81	36	270	210	ND	ND	ND	ND	ND	ND	89	170	ND
Total PCBs (ug/kg)	2,000	59	66	110	100	-	-	-	-	290	89	93	81	36	270	380	380	ND	ND	41	420	54	299	350	**4900**
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																									
Corrosivity (pH)	NA	7.6	7.7	7.6	8.3	-	-	-	-	7.8	7.7	7.5	7.5	7.4	7.6	9.2	9	9	8.1	7.8	7.7	8.6	11	8.4	7.5
Ignitability (degrees F)	NA	>200	>200	>200	>200	-	-	-	-	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	-	-	-	-	ND	63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																									
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP211	SP212	SP213	SP214	SP215	SP216	SP217	SP218	SP219	SP220 (SP179A)	SP221 (SP179B)	SP222 (SP179C)	SP223 (SP210A)	SP224 (SP210B)	SP225 (SP210C)	SP-230	SP-231	SP-232	SP-233	SP-234	SP-235
SAMPLING DATE	Reportable	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	22-Jan-04	22-Jan-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																						
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	1800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	300	ND	ND	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	14	21	17	ND	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	**110**	90	83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	200	160	270	190	130	130	170	510	690	ND	ND	ND	ND	86	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	42	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND
Toluene	90,000	ND	ND	ND	59	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	2.7	3.4	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	90	ND	ND	ND	ND	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	500	202	380	339	130	130	280	645	5831	ND	ND	ND	ND	86	ND	21.7	17.4	23.2	17	ND	19
SVOCs by 8270 (ug/kg)																						
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	380	ND	ND	ND	ND	ND	320	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	350	770	ND	ND	ND	290	480	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND		430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	ND	940	1800	760	630		730	1300	660	410	520	570	320	360	360	1500	ND	760	ND	1100	2100
Benzo(a)anthracene	700	590	**2800**	**3800**	**2100**	**1500**	530	**1700**	**2600**	**1400**	**1400**	**2000**	**1900**	**930**	**990**	**1000**	**3900**	**1100**	**2000**	**2200**	**2700**	**4400**
Benzo(a)pyrene	700	560	**2400**	**3100**	**1900**	**1400**	440	**1500**	**2000**	**1300**	**1300**	**2000**	**1900**	**880**	**960**	**960**	**3600**	**1100**	**1800**	**2300**	**2400**	**3600**
Benzo(b)fluoranthene	700	**700**	**3200**	**3800**	**2400**	**1600**	570	**1900**	**2700**	**1500**	**1400**	**2300**	**2300**	**1000**	**1200**	**1100**	**3200**	**1000**	**1600**	**1900**	**2000**	**2700**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2500	790	1300	1400	1600	2300
Benzo(g,h,i)perylene	1,000,000	350	1600	1700	1200	780	300	900	1200	820	730	1300	1100	540	530	560	2200	690	1300	ND	1300	2100
Benzo(k)fluoranthene	7,000	ND	990	1300	760	480		600	760	560	600	870	830	410	310	390	3000	1100	1600	1800	2100	3200
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	ND	350	760	ND	ND	ND	ND	550	290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	7,000	570	2500	3600	1900	1300	490	1500	2300	1400	1300	1900	2000	840	950	890	3800	1100	2100	2100	2600	4300
Dibenzo(a,h)anthracene	700	ND	440	480	290	ND	ND	ND	380	ND	ND	370	310	ND	ND	ND	ND	ND	ND	ND	ND	620
Dibenzofuran	100,000	ND	310	680	ND	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	1200	5000	8100	3800	2800	930	3300	5400	2700	2500	3400	3600	1700	1800	1900	8600	2300	3900	3700	5600	8500
Fluorene	400,000	ND	370	940	ND	ND	ND	320	630	340	ND	ND	ND	ND	ND	ND	640	ND	ND	ND	610	670
Indeno(1,2,3-cd)pyrene	700	350	**1700**	**2000**	**1300**	**880**	290	**960**	**1300**	**900**	**820**	**1300**	**1300**	570	580	600	**2000**	640	**1100**	**1300**	**1300**	**2000**
Naphthalene	4,000	ND	400	780	330	ND	ND	ND	520	540	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	920	ND	ND	ND	ND	920
Phenanthrene	100,000	800	3200	7500	2500	2200	720	2500	4900	2400	1600	1700	2300	1200	1300	1200	5300	1200	2900	1200	4400	5200
Pyrene	700,000	1200	5200	8300	3900	2800	1000	3100	5300	2700	2500	3400	3300	1600	1700	1800	7700	2200	3500	3600	5200	7300
Total SVOCs (ug/kg)	NA	6320	31750	50220	23140	16370	5270	19300	32790	18160	14560	21060	21410	9990	10680	10760	48860	13220	23860	21500	32910	49910

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP211	SP212	SP213	SP214	SP215	SP216	SP217	SP218	SP219	SP220 (SP179A)	SP221 (SP179B)	SP222 (SP179C)	SP223 (SP210A)	SP224 (SP210B)	SP225 (SP210C)	SP-230	SP-231	SP-232	SP-233	SP-234	SP-235
SAMPLING DATE	Reportable	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	22-Oct-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	7-Nov-02	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	22-Jan-04	22-Jan-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**370**	**370**	**320**	**330**	150	170	**220**	140	190	ND	ND	ND	ND	ND	ND	190	150	**280**	**200**	**220**	160
RCRA 8 Metals (mg/kg)																						
Arsenic	30	12	14	11	11	11	11	13	12	11	11	17	16	15	17	17	5.9	3.1	5.1	5.1	7.5	7.8
Barium	1,000	59	62	72	56	54	51	64	60	58	44	60	54	54	63	53	40	23	46	31	62	49
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	21	25	22	19	25	25	23	21	19	14	23	23	28	30	26	12	6.1	11	9.2	25	20
Lead	300	160	240	95	110	78	64	100	98	110	52	100	94	61	51	65	77	44	140	110	65	68
Mercury	20	0.49	0.37	0.45	0.46	0.3	0.25	0.34	0.38	0.65	0.18	0.35	0.34	0.29	0.45	0.34	0.4	0.14	0.37	0.63	0.64	0.42
Selenium	400	1.5	0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																						
Lead	NA	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																						
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.3
Aroclor 1254	2,000	100	76	170	120	69	64	110	120	ND	44	70	76	94	110	120	ND	77.5	139	ND	ND	ND
Aroclor 1260	2,000	250	110	ND	130	68	75	120	150	60	ND	59	57	120	130	130	ND	ND	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	350	186	170	250	137	139	230	270	60	44	129	133	214	240	250	ND	77.5	139	ND	ND	66.3
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																						
Corrosivity (pH)	NA	8	8.5	9.6	7.9	7.9	7.3	9.5	9.8	8.5	7.9	7.8	7.9	7.6	7.6	7.6	10.5	9.4	10.4	8.5	8.4	8
Ignitability (degrees F)	NA	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	58	160	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																						
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-236	SP-237	SP-238	SP-239	SP-240	SP-241	SP-242	SP-243	SP-244	SP-245	SP-246	SP-247	SP-248	SP-249	SP-250	SP-251	SP-252	SP-253	SP-254	SP-255	SP-256	SP-257
SAMPLING DATE	Reportable	22-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																							
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	120	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	18	23
Benzene	10,000	ND	2.6	ND	ND	ND	1.9	2.2	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	4.4	ND	ND	ND
Carbon Disulfide	100,000	22	24	ND	33	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	1900	34	ND	2500	880	960	ND	1000	760	18	ND	ND	ND	13	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	3.2	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	2.4
Toluene	90,000	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	3.9	ND	ND	ND	ND	ND	207	ND	ND	ND	ND	99	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	22	166.1	ND	60.2	27.7	1.9	2.2	2507	74	3	2500	880	1059	ND	1000	760	32	ND	12.3	ND	32.5	25.4
SVOCs by 8270 (ug/kg)																							
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	880	ND	ND	ND	930	990
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
Anthracene	1,000,000	ND	1000	800	1700	1300	930	ND	1600	1500	1600	1100	ND	1300	770	1200	700	2500	960	660	1600	2400	2400
Benzo(a)anthracene	700	**1200**	**2100**	**1800**	**3400**	**2100**	**1900**	**1800**	**4800**	**4600**	**2500**	**2400**	ND	**3000**	**2000**	**3100**	**1600**	**4600**	**2200**	**1200**	**3900**	**5000**	**5200**
Benzo(a)pyrene	700	**1300**	**1900**	**1600**	**3000**	**1800**	**1700**	**1700**	**4400**	**4500**	**2200**	**2200**	ND	**2800**	**1800**	**2600**	**1400**	**3900**	**2000**	**1000**	**3600**	**4300**	**4800**
Benzo(b)fluoranthene	700	**1200**	**1700**	**1400**	**2600**	**1300**	**1400**	**1400**	**3800**	**3800**	**2000**	**1800**	ND	**2400**	**1400**	**2200**	**1200**	**3400**	**1700**	**880**	**3000**	**3700**	**4500**
Benzo(e)pyrene	NA	930	1200	1200	2000	1100	1200	1200	-	-	-	-	ND	-	1200	1800	1000	2700	1400	720	2400	3000	3300
Benzo(g,h,i)perylene	1,000,000	830	1000	930	1600	1000	1200	1200	3100	3400	1500	1600	ND	2100	1200	1700	970	2400	1300	680	2000	2400	2800
Benzo(k)fluoranthene	7,000	1100	1600	1500	2500	1500	1600	1400	3500	3500	1700	2000	ND	2300	1600	2400	1200	3200	1700	880	3200	3900	3900
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	ND	ND	ND	ND	ND	ND	ND	**NA**	**NA**	**NA**	**NA**	ND	**NA**	ND	570	ND	1400	ND	ND	630	1200	1000
Chrysene	7,000	1200	2000	1800	3400	2100	1900	1900	4400	4300	2300	2300	ND	2900	2000	3100	1600	4600	2300	1200	3600	4700	4900
Dibenzo(a,h)anthracene	700	ND	ND	ND	630	ND	ND	ND	**880**	**960**	ND	ND	ND	ND	ND	ND	ND	**910**	ND	ND	620	**760**	**1100**
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	720	ND	ND	ND	ND	ND	ND	790	ND	ND	ND	750	640
Di-n-butylphthalate	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl-phthalate	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000,000	2600	4600	3600	6800	4200	3900	3600	8500	8100	5100	4400	4500	5500	3600	6400	3200	10000	4500	2900	7800	11000	12000
Fluorene	400,000	ND	ND	ND	ND	ND	ND	ND	590	600	1000	ND	ND	600	ND	ND	ND	1200	ND	ND	710	1300	1100
Indeno(1,2,3-cd)pyrene	700	**760**	**1000**	**840**	**1500**	**940**	**1000**	**1000**	**2800**	**3000**	**1400**	**1400**	ND	**1800**	**1100**	**1600**	**900**	**2200**	**1200**	630	**1800**	**2300**	**2600**
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	640	ND	ND	ND	ND	ND	ND	1100	ND	ND	ND	1000	ND
n-butylbenzylphthalate	100,000	ND	960	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	NA	ND	ND	ND	750	ND	ND	ND	-	-	-	-	ND	-	ND	690	ND	990	ND	ND	870	1100	1200
Phenanthrene	100,000	1500	3700	2900	3700	3900	3300	2600	4200	4900	5300	3600	3600	4200	2700	4400	2600	9000	3400	2700	5100	8200	8100
Pyrene	700,000	2400	4100	3300	6200	3600	3500	3200	7700	7400	4400	4100	4300	5000	3400	5600	3000	8700	4400	2600	7200	9700	10000
Total SVOCs (ug/kg)	NA	15020	26860	21670	39780	24840	23530	21000	50270	50560	33120	26900	12400	33900	22770	37360	19370	64470	27060	16050	48030	67640	71230

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-236	SP-237	SP-238	SP-239	SP-240	SP-241	SP-242	SP-243	SP-244	SP-245	SP-246	SP-247	SP-248	SP-249	SP-250	SP-251	SP-252	SP-253	SP-254	SP-255	SP-256	SP-257
SAMPLING DATE	Reportable	22-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	20-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	21-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**330**	190	140	190	**260**	**230**	**260**	**410**	**320**	**410**	**490**	**330**	**280**	**220**	**230**	**210**	**220**	**310**	**610**	**290**	**290**	**350**
RCRA 8 Metals (mg/kg)																							
Arsenic	30	7.9	6.4	7.2	7.7	7.9	8.7	11	16	18	12	6.2	7.4	8.3	7.8	6.5	7.2	7.9	8	8.1	6.5	4	7.5
Barium	1,000	53	49	57	66	48	58	64	60	59	64	43	47	58	42	35	40	45	53	53	52	44	54
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	19	23	25	23	22	25	26	22	22	24	18	19	22	15	14	16	17	23	21	17	9.5	28
Lead	300	85	57	57	85	56	78	92	220	140	110	67	84	84	110	88	100	140	130	120	76	110	39
Mercury	20	0.36	0.24	0.34	0.44	0.39	0.28	0.48	0.58	0.43	0.44	0.5	0.61	0.36	0.64	0.47	0.69	0.73	1	1.5	0.4	0.63	0.61
Selenium	400	ND	ND	ND	ND	ND	ND	ND	1.6	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																							
Lead	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	ND	NA	ND	0.64	ND	ND	NA	ND	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																							
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	66.2	ND	1270	**4910**	**4020**	**3990**	**7220**	**2240**	364	ND	ND	ND	105	ND	ND	ND	142	76.4	ND
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	ND	ND	ND	ND	ND	291	733	793	403	629	168	86.8	124	ND	267	ND	ND	ND	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	ND	ND	ND	66.2	ND	1561	**5643**	**4813**	**4393**	**7849**	**2408**	450.8	124	ND	267	105	ND	ND	ND	142	76.4	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																							
Corrosivity (pH)	NA	8.1	8.2	8	8.1	7.8	7.8	7.6	7.8	7.9	7.8	7.9	8.1	8.3	8.1	8.2	8.1	8	7.9	7.9	9	9.7	8.1
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																							
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-258	SP-259	SP-260	SP-261	SP-262	SP-263	SP-264	SP-265	SP-266	SP-267	SP-268	SP-269	SP-270	SP-271	SP-272	SP-273	SP-274	SP-275	SP-276	SP276A	SP276B	SP-277	SP277A	SP277B
SAMPLING DATE	Reportable	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	23-Nov-04	23-Nov-04	11-Sep-04	23-Nov-04	23-Nov-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																									
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND
Acetone	3,000	20	23	14	ND	14	15	40	22	16	16	15	18	28	24	ND	30	ND	19	31	100	ND	26	18	22
Benzene	10,000	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	1.1	ND	ND	0.96	ND	20	ND	1.2	ND	ND
Carbon Disulfide	100,000	21	ND	ND	ND	12	20	27	21	18	12	13	12	32	22	19	16	ND	ND	11	ND	ND	21	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	8.6	12	400	6.7	ND	32	1300	ND	23	36
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	1.3	ND	ND	ND	ND	ND	ND	ND	95	4	41	ND	ND	ND	83	**580**	2.4	8	ND	ND	2.7	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	0.96	2	ND	ND	ND	1.4	59	ND	1.2	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	41	24.3	16.4	5.5	26	35	67	43	34	161.5	32.96	74.3	60	59	28.7	144.4	1039	29.06	51.2	177.1	1300	50.9	62	58
SVOCs by 8270 (ug/kg)																									
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	ND	1800	ND	1100	570	ND	420	850
Acenaphthylene	100,000	ND	ND	ND	ND	380	ND	ND	400	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	720	680	ND	420	ND
Anthracene	1,000,000	1000	550	990	1000	1000	1200	510	670	740	640	ND	520	930	680	900	1600	1900	3800	830	2700	1900	1200	1300	2700
Benzo(a)anthracene	700	**1900**	**1200**	**2300**	**2500**	**2100**	**2600**	**1400**	**1700**	**1500**	**1600**	650	**1300**	**1900**	**1600**	**2200**	**3400**	**3700**	**6300**	**2200**	**3500**	ND	**2600**	**2400**	**3700**
Benzo(a)pyrene	700	**1800**	**1100**	**2200**	**2300**	**2000**	**2400**	**1300**	**1600**	**1400**	**1500**	680	**1200**	**1700**	**1400**	**2000**	**3200**	**3000**	**5100**	**1800**	**2700**	**2700**	**2400**	**2000**	**2900**
Benzo(b)fluoranthene	700	**1400**	**1000**	**1800**	**2000**	**1600**	**1900**	**1100**	**1400**	**1200**	**1300**	540	**1000**	**1500**	**1400**	**2300**	**3500**	**3700**	**6700**	**2200**	**2100**	**2600**	**2200**	**1700**	**2100**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	1100	750	1400	1500	1300	1600	970	1200	1200	1200	540	980	1000	1000	1200	2100	1600	2600	1100	1400	1600	1400	1100	1700
Benzo(k)fluoranthene	7,000	1600	960	1900	2000	1700	2200	1100	1400	1300	1300	580	1100	1700	1200	1800	2100	1900	3600	1400	2500	2100	2100	1800	2500
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	2000	1200	2300	2600	2200	2700	1400	1700	1600	1600	660	1300	1800	1500	2100	3300	3400	6500	2000	3400	3200	2500	2400	3300
Dibenzo(a,h)anthracene	700	ND	ND	500	570	480	570	ND	410	ND	380	ND	ND	410	400	520	**830**	ND	**1300**	ND	460	450	500	ND	**750**
Dibenzofuran	100,000	ND	ND	ND	420	ND	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	420	ND	1100	ND	990	490	ND	ND	740
Di-n-butylphthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	4400	2600	4800	5500	4400	6100	3000	3600	3100	3500	1300	2700	4100	3000	4700	7600	7800	16000	4400	10000	8500	5800	6300	8900
Fluorene	400,000	380	ND	430	410	ND	650	ND	ND	ND	ND	ND	ND	390	ND	390	590	ND	2200	ND	1000	640	500	560	1100
Indeno(1,2,3-cd)pyrene	700	**990**	650	**1300**	**1400**	**1200**	**1400**	**850**	**1100**	**980**	**1000**	460	**830**	**920**	**840**	**1100**	**1800**	**1500**	**2400**	**960**	**1400**	**1500**	**1200**	**1100**	**1600**
Naphthalene	4,000	ND	ND	ND	ND	ND	710	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	780	ND	ND	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	3200	1800	3100	4200	2800	4800	1800	1900	1700	2000	710	1500	3000	2000	3200	5200	6100	16000	2700	8800	5200	4400	4000	7700
Pyrene	700,000	3700	2300	4100	4500	3700	5100	2500	3200	2800	3000	1200	2400	3900	2700	4300	6800	7100	14000	4200	8800	7400	5300	5500	7400
Total SVOCs (ug/kg)	NA	23470	14110	27120	30900	24860	35130	15930	20280	17930	19020	7320	14830	23250	17720	26710	42840	41700	89400	23790	52350	39530	32100	31000	47940

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-258	SP-259	SP-260	SP-261	SP-262	SP-263	SP-264	SP-265	SP-266	SP-267	SP-268	SP-269	SP-270	SP-271	SP-272	SP-273	SP-274	SP-275	SP-276	SP276A	SP276B	SP-277	SP277A	SP277B
SAMPLING DATE	Reportable	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	10-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	23-Nov-04	23-Nov-04	11-Sep-04	23-Nov-04	23-Nov-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	160	**200**	**270**	**210**	**270**	180	**240**	**480**	**320**	150	120	**560**	160	**500**	**270**	**250**	**290**	**230**	**530**	**300**	180	**220**	190	**400**
RCRA 8 Metals (mg/kg)																									
Arsenic	30	8.7	8.5	8.9	11	8.6	8.8	11	12	10	10	12	11	9.8	12	9.5	11	10	10	8.2	9.5	10	7.9	11	12
Barium	1,000	56	57	61	58	52	55	63	56	55	56	61	57	50	50	95	52	48	55	50	57	60	49	57	49
Cadmium	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	0.51	0.58	0.56	0.6	0.53	0.67	0.5	0.84	0.76	0.99	0.74	0.56
Chromium	1,000	23	21	23	20	20	24	22	17	22	24	26	24	22	20	18	17	20	18	19	21	22	17	24	18
Lead	300	82	110	140	120	110	77	86	100	92	80	110	120	85	110	130	120	120	130	92	110	83	99	130	120
Mercury	20	0.62	0.39	0.49	0.46	0.36	0.24	0.58	0.4	0.18	0.41	0.17	0.35	0.32	0.32	0.8	0.69	0.27	0.53	0.3	0.76	0.32	0.49	0.42	0.52
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49	ND
TCLP (mg/L)																									
Lead	NA	NA	ND	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	ND	ND	0.52	ND	NA	ND	NA	NA	ND	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																									
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	**2080**	ND	211	1330	634	169	56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.6	ND	ND	ND	ND
Aroclor 1260	2,000	41.6	78.7	399	134	88.8	ND	125	195	426	95.9	ND	ND	89.9	ND	ND	41.6	ND	ND	ND	ND	ND	41.6	ND	ND
Total PCBs (ug/kg)	2,000	41.6	78.7	399	134	88.8	**2080**	125	406	1756	729.9	169	56	89.9	ND	ND	41.6	ND	ND	ND	46.6	ND	41.6	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																									
Corrosivity (pH)	NA	7.3	8.2	7.9	8.1	8.1	7.9	7.9	8.1	7.9	7.8	8	8	7.7	8	8.5	9.9	8.4	8.1	8.9	10.2	10.2	8.9	10.3	9.3
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																									
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-278	SP278A	SP278B	SP-279	SP-280	SP-281	SP-282	SP-283	SP-284	SP-285	SP-286	SP-287	SP-288	SP-289	SP-290	SP-291	SP-292	SP-293	SP-294	SP-295	SP-296	SP-297	SP-298
SAMPLING DATE	Reportable	11-Sep-04	23-Nov-04	23-Nov-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	14-Sep-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	30	ND	ND	37	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	ND	ND	ND	1.2	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	54	ND	ND	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	19	15	ND	670	400	ND	ND	290	390	310	400	380	480	460	430	400	910	460	540	450	460	580
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	2.5	2.6	7.5	1.7	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	91	110	ND	ND	100	ND	110
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	86.5	21.6	22.5	80.9	790	400	29.4	ND	290	390	310	400	380	480	534	430	491	1020	460	540	550	460	690
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	580	ND	ND	ND	480	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	490	ND	ND	390	1000	ND	ND	ND	ND	ND	640	ND	ND	490	390	1400	400	ND	840	690	ND	ND
Acenaphthylene	100,000	ND	730	ND	ND	ND	380	ND	ND	ND	ND	480	410	ND	400	ND	ND	ND	ND	ND	490	ND	ND	ND
Anthracene	1,000,000	720	1600	580	830	1100	2900	1100	760	1200	630	1500	1900	1000	940	1200	1000	2700	1100	760	2600	1800	770	1400
Benzo(a)anthracene	700	**2000**	**3500**	**1300**	**2400**	**2600**	**5600**	**2300**	**1800**	**2800**	**1600**	**3400**	**3800**	**2200**	**2100**	**2400**	**2200**	**3600**	**2300**	**1800**	**4700**	**3500**	**1500**	**2800**
Benzo(a)pyrene	700	**1700**	**3000**	**1300**	**2200**	**2300**	**5000**	**2100**	**1700**	**2500**	**1500**	**3000**	**3400**	**2100**	**2100**	**2300**	**2000**	**2800**	**2000**	**1600**	**4000**	**3200**	**1400**	**2300**
Benzo(b)fluoranthene	700	**1600**	**2500**	**1000**	**2800**	**2400**	**6100**	**2400**	**1500**	**3100**	**2000**	**3900**	**3400**	**2200**	**2200**	**2100**	**2100**	**3300**	**2600**	**1900**	**4600**	**3600**	**1400**	**2400**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	980	1700	750	1400	1300	2700	1200	980	1400	890	2000	2000	1400	1400	1400	1300	1500	1300	1000	2200	2000	940	1300
Benzo(k)fluoranthene	7,000	1600	2800	900	1600	2100	3700	1700	1800	1800	1200	2200	3100	1900	1900	2100	1700	2100	1300	1000	2500	1800	1300	1800
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	1800	3500	1300	2300	2400	5500	2300	1800	2800	1500	3400	3800	2100	2100	2400	2300	3300	2200	1700	4400	3500	1500	2700
Dibenzo(a,h)anthracene	700	400	530	560	500	510	**1200**	530	400	600	ND	630	**800**	600	630	690	660	**790**	600	430	**1100**	**990**	450	580
Dibenzofuran	100,000	ND	420	ND	ND	ND	680	ND	ND	ND	ND	ND	530	ND	ND	380	ND	1100	ND	ND	720	520	ND	510
Di-n-butylphthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	740	ND	ND
Fluoranthene	1,000,000	3900	10000	2600	4800	5800	15000	5400	3400	6400	3400	8400	8400	4800	4300	5200	5100	10000	5000	3800	11000	9100	3400	6700
Fluorene	400,000	ND	610	ND	ND	470	1000	460	ND	400	ND	460	880	420	ND(185)	570	490	1500	500	ND	1100	760	ND	690
Indeno(1,2,3-cd)pyrene	700	**870**	**1600**	**880**	**1200**	**1200**	**2400**	**1100**	**890**	**1200**	**800**	**1800**	**1800**	**1200**	**1200**	**1300**	**1100**	**1400**	**1200**	**890**	**2000**	**1800**	**840**	**1200**
Naphthalene	4,000	ND	470	ND	ND	450	ND	390	ND	ND	ND	610	660	1700	500	810	450	960	470	ND	620	480	380	610
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	2300	4800	1700	2800	3900	12000	3700	2100	3800	1900	5000	6600	3400	2400	3900	3500	9900	3300	2400	9800	6800	2500	5100
Pyrene	700,000	3600	8900	2300	4400	5200	14000	5000	3100	6100	3200	7400	7800	4400	4200	4900	4800	9100	4600	3600	11000	8400	3200	6000
Total SVOCs (ug/kg)	NA	21470	47150	15170	27230	32120	79160	29680	20230	34100	18620	44180	50320	30000	26555	32140	29090	55930	28870	20880	63670	49680	19580	36090

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-278	SP278A	SP278B	SP-279	SP-280	SP-281	SP-282	SP-283	SP-284	SP-285	SP-286	SP-287	SP-288	SP-289	SP-290	SP-291	SP-292	SP-293	SP-294	SP-295	SP-296	SP-297	SP-298
SAMPLING DATE	Reportable	11-Sep-04	23-Nov-04	23-Nov-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	11-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	13-Sep-04	14-Sep-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**200**	170	150	**250**	**290**	**260**	180	**240**	170	**620**	**260**	**280**	**340**	**330**	**360**	**360**	160	**310**	190	**200**	**830**	**200**	**270**
RCRA 8 Metals (mg/kg)																								
Arsenic	30	8.6	9.9	9.3	9.3	9.1	7.7	9	9.1	16	10	7.8	6.8	7.6	8.3	8.1	7.5	9.3	9.5	8.6	7.9	7.3	7.8	9.6
Barium	1,000	52	56	61	57	52	53	51	51	52	51	56	55	54	56	53	52	53	59	52	53	52	50	67
Cadmium	30	0.57	0.69	0.72	0.67	0.52	0.5	0.54	0.52	0.53	0.53	0.52	0.48	0.61	0.55	0.54	0.5	0.55	0.59	0.52	0.48	0.48	0.5	0.58
Chromium	1,000	22	22	25	22	19	19	21	21	19	20	18	17	19	19	21	20	23	20	24	18	17	19	20
Lead	300	88	120	100	120	130	100	110	130	110	120	100	110	120	140	110	84	91	260	95	100	170	89	150
Mercury	20	0.38	0.7	0.49	0.46	0.36	0.63	0.53	0.51	0.4	0.52	0.74	0.51	0.64	0.8	0.71	0.48	0.37	0.66	0.54	0.54	0.37	2.2	0.64
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	NA	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	1580	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	88.2	191	ND	69.9	65.2	80.7	39.4	ND	60.1	680	72	64.2	66.9	84.6	78.2	65.7	71.2	ND	38.8	40.9	63	78.8	42.8
Total PCBs (ug/kg)	2,000	88.2	191	ND	69.9	65.2	80.7	39.4	ND	60.1	**2260**	72	64.2	66.9	84.6	78.2	65.7	71.2	ND	38.8	40.9	63	78.8	42.8
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	8.1	9.4	8.3	8.4	9.2	8.7	7.6	7.6	8.2	8.8	7.8	8	7.9	7.9	7.9	9.5	9.1	8.7	8.8	9.2	9.2	9.3	8.4
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-299	SP-300	SP-301	SP-302	SP-303	SP-304	SP-305	SP-306	SP-307	SP-308	SP-309	SP-310	SP-311	SP-312	SP-313	SP-314	SP-315	SP-316	SP-317	SP-318	SP-319	SP-320	SP-321
SAMPLING DATE	Reportable	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	11	ND
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	510	450	570	670	830	660	490	860	740	650	660	360	430	7.8	480	520	420	510	ND	430	480	7.9	810
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	180	ND	ND	170	130	ND	ND	ND	150	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	120	ND	ND	ND	ND	ND	1	ND
Total VOCs (ug/kg)	NA	690	450	920	840	960	660	490	927	890	729	660	360	430	17.8	558	640	420	510	ND	430	480	22.14	810
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	770	ND	ND	ND	ND	ND	ND	410	ND
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	380	ND	ND	390	510	ND	ND	ND	530	560	ND	ND	ND	2900	1400	ND	740	ND	450	400	920	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	880	430	ND	ND	ND	ND	720	390
Anthracene	1,000,000	850	940	750	740	830	1200	1700	680	910	1200	1200	880	400	740	9400	3800	980	1200	600	1000	1100	2000	810
Benzo(a)anthracene	700	**1700**	**2100**	**1600**	**1400**	**1600**	**2500**	**3300**	**1700**	**1900**	**2800**	**2400**	**1900**	**960**	**1600**	**10000**	**5200**	**2100**	**2400**	**1500**	**2000**	**2100**	**3500**	**1600**
Benzo(a)pyrene	700	**1500**	**1800**	**1400**	**1300**	**1400**	**2200**	**2700**	**1600**	**1700**	**2500**	**2200**	**1700**	**870**	**1400**	**8200**	**4400**	**2100**	**2200**	**1500**	**1800**	**2000**	**3300**	**1600**
Benzo(b)fluoranthene	700	**1400**	**2200**	**1200**	**1100**	**1500**	**2200**	**2700**	**1500**	**1700**	**2600**	**1900**	**1400**	**880**	**1200**	**7100**	**3200**	**1600**	**1800**	**1100**	**1400**	**1500**	**2700**	**1200**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	870	1100	850	760	850	1400	1500	1000	1100	1400	1300	1000	570	1000	4500	2400	1400	1400	1000	1300	1300	2100	1100
Benzo(k)fluoranthene	7,000	1100	1200	1400	1100	1000	1800	2000	1400	1600	1900	1800	1400	740	1200	5700	3400	1800	1700	1300	1400	1700	2600	1400
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	830	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	1600	2000	1600	1400	1600	2400	3300	1600	1900	2700	2400	1800	950	1500	**10000**	5000	2200	2500	1600	2000	2100	3700	1700
Dibenzo(a,h)anthracene	700	400	500	390	ND	420	670	**740**	460	500	**720**	660	470	ND	ND	**1900**	**1000**	530	560	390	470	500	**760**	440
Dibenzofuran	100,000	ND	ND	ND	ND	420	440	ND	ND	ND	400	450	ND	ND	ND	2300	1100	ND	600	ND	ND	ND	590	ND
Di-n-butylphthalate	50,000	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	3900	4700	3700	3300	3500	6100	8200	3500	4100	6500	5900	4300	2000	ND	27000	11000	4300	5000	3000	3900	4300	8400	3200
Fluorene	400,000	440	440	ND	390	540	570	590	ND	ND	600	650	400	ND	ND	4200	2100	440	920	ND	510	480	1100	ND
Indeno(1,2,3-cd)pyrene	700	**780**	**980**	**730**	690	**780**	**1200**	**1400**	**860**	**950**	**1300**	**1200**	**920**	480	**930**	**4600**	**2300**	**1300**	**1300**	**940**	**1100**	**1200**	**1900**	**1000**
Naphthalene	4,000	630	ND	ND	ND	1100	690	ND	ND	ND	420	500	ND	ND	380	790	560	420	500	ND	ND	ND	870	550
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	2900	3500	2700	2400	2400	4200	5400	2300	2000	4700	4900	3200	1400	2200	24000	11000	3000	4400	2100	2800	3300	7300	2200
Pyrene	700,000	3400	4400	3500	3000	3200	5600	7500	3300	3900	6100	5300	4100	1900	2700	21000	8900	3600	4000	2500	3200	3600	7500	2600
Total SVOCs (ug/kg)	NA	21870	26240	19820	17580	21530	33680	41030	19900	22260	36370	33320	23470	11150	16880	145460	67640	26200	31220	17530	23330	25580	50370	19790

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-299	SP-300	SP-301	SP-302	SP-303	SP-304	SP-305	SP-306	SP-307	SP-308	SP-309	SP-310	SP-311	SP-312	SP-313	SP-314	SP-315	SP-316	SP-317	SP-318	SP-319	SP-320	SP-321
SAMPLING DATE	Reportable	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	14-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04	15-Sep-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**240**	170	150	**400**	**220**	160	140	180	130	**250**	**210**	190	170	**220**	**270**	**280**	140	190	**230**	**220**	**260**	**260**	**280**
RCRA 8 Metals (mg/kg)																								
Arsenic	30	7.7	7.4	8.3	8.6	8	7.2	7.5	6.9	8.8	8.5	7.9	8.2	8.8	8.1	8.7	8.8	18	8	13	9.3	8.6	6.4	6.6
Barium	1,000	48	43	48	52	53	50	45	44	94	50	44	43	51	53	52	50	57	49	49	47	51	53	44
Cadmium	30	0.59	0.5	0.59	0.6	0.57	0.53	0.49	0.46	0.62	0.59	0.53	0.5	0.57	ND	0.46	0.91	ND	ND	0.48	0.45	0.46	ND	ND
Chromium	1,000	20	17	19	20	18	18	18	15	25	19	18	18	19	20	20	18	19	19	19	18	21	16	16
Lead	300	110	110	83	140	120	69	70	76	120	240	73	66	79	100	110	84	97	80	100	110	110	140	100
Mercury	20	0.56	0.42	0.56	0.51	0.55	0.36	0.62	0.46	0.93	0.56	0.26	0.35	0.56	0.6	0.45	ND	ND	0.32	0.69	0.44	0.51	1	0.64
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	60.6	248	42.8	53.4	42.5	52.6	ND	ND	43.5	100	85.4	84.6	ND	194	ND	42.4	552	ND	98.8	ND	ND	ND	ND
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	54.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.8	92.6	57.6
Aroclor 1260	2,000	43	518	69.7	49.5	43.4	88	54.5	ND	49	130	185	210	47.7	63.3	43.1	85.1	362	203	495	694	68.1	43.4	43.5
Total PCBs (ug/kg)	2,000	103.6	766	112.5	102.9	85.9	140.6	54.5	54.7	92.5	230	270.4	294.6	47.7	257.3	43.1	127.5	914	203	593.8	694	138.9	136	101.1
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	8.4	9.9	8.4	8.3	8.2	9.1	9.9	8.8	8.2	9.1	8.8	8.7	8.7	8.5	8.5	9.7	8.3	8.7	8.3	7.9	8.4	8.3	8.4
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-322	SP-323	SP-324	SP-325	SP-326	SP-327	SP-328	SP-329	SP-330	SP-331	SP-332	SP-333	SP-334	SP-335	SP-336	SP-337	SP-338	SP-339	SP-340	SP-341	SP-342	SP-343	SP-344	SP-345
SAMPLING DATE	Reportable	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																									
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	19	13	ND	ND	ND	15	32	14	13	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	1.7	ND	ND	2.3	ND	ND	ND	ND	1.1	ND	1.1	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	570	19	13	520	390	390	9.5	14	ND	ND	ND	ND	290	520	860	ND	450	510	620	ND	1100	2400	ND
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	1.1	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	6.8	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	1.7	570	44.8	30.7	520	390	490	24.5	52.4	16.3	14.1	11.64	ND	290	520	860	ND	450	510	664	ND	1147	2400	ND
SVOCs by 8270 (ug/kg)																									
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	460	ND	ND	540	ND	ND	ND	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	680	ND	ND	ND	ND	ND
Acenaphthylene	100,000	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	1600	970	600	1300	720	630	600	700	520	1100	1000	740	ND	700	730	820	ND	460	1400	680	380	450	380	590
Benzo(a)anthracene	700	**4000**	**1800**	**1200**	**2200**	**1500**	**1400**	**1300**	**1400**	**1100**	**2900**	**2700**	**1500**	**760**	**1400**	**1400**	**1800**	**800**	**1100**	**2300**	**1400**	**760**	**880**	690	**1100**
Benzo(a)pyrene	700	**3400**	**1700**	**1200**	**2100**	**1600**	**1400**	**1200**	**1400**	**1100**	**2500**	**2500**	**1400**	**770**	**1400**	**1200**	**1700**	**790**	**930**	**1800**	**1200**	**710**	**790**	590	**950**
Benzo(b)fluoranthene	700	**3100**	**1500**	**970**	**1800**	**1400**	**1100**	**940**	**1100**	**780**	**2100**	**2100**	**1200**	630	**1200**	**1000**	**1400**	660	**820**	**1500**	**1000**	670	680	520	**780**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	2400	1000	750	1400	1000	920	780	890	760	1700	1500	940	560	940	820	1200	610	610	1000	780	500	570	410	640
Benzo(k)fluoranthene	7,000	2700	1500	1100	1800	1300	1200	1100	1200	990	2100	2000	1200	630	1100	1100	1500	720	830	1600	990	560	650	490	860
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	3800	2000	1300	2300	1700	1400	1400	1500	1200	3000	2700	1600	790	1500	1400	1900	890	1000	2100	1400	760	840	650	1100
Dibenzo(a,h)anthracene	700	**870**	ND	ND	500	390	ND	ND	ND	ND	600	580	ND	ND	ND	ND	450	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	370	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	8500	4400	2500	4900	3200	2800	2700	3200	2300	8000	5900	3500	1600	3200	3400	3900	1600	2200	5500	3100	1600	1800	1500	2400
Fluorene	400,000	620	ND	ND	660	ND	ND	ND	ND	ND	470	ND	ND	ND	ND	390	400	ND	ND	850	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	700	**2200**	**970**	**700**	**1200**	**920**	**820**	**710**	**780**	650	**1500**	**1400**	**840**	490	**860**	**750**	**1100**	560	570	**1000**	**760**	450	520	400	600
Naphthalene	4,000	400	500	500	610	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	480	460	ND	ND	ND	ND	ND	ND	720	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	4500	2800	1600	3800	2300	1700	1800	2300	1500	3600	2400	2800	1000	2100	2400	2400	900	1400	4400	1600	920	1200	1100	1600
Pyrene	700,000	7000	3500	2100	4000	2700	2400	2300	2600	2000	6200	4600	3000	1400	2800	2900	3300	1400	1800	4100	2500	1300	1500	1300	1900
Total SVOCs (ug/kg)	NA	46330	22640	14520	29580	19300	15770	14830	17070	12900	36170	29380	18720	8630	17200	17970	22720	8930	11720	28730	15410	8610	9880	8750	12520

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-322	SP-323	SP-324	SP-325	SP-326	SP-327	SP-328	SP-329	SP-330	SP-331	SP-332	SP-333	SP-334	SP-335	SP-336	SP-337	SP-338	SP-339	SP-340	SP-341	SP-342	SP-343	SP-344	SP-345
SAMPLING DATE	Reportable	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	16-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**380**	**480**	190	**380**	**680**	**280**	**260**	**410**	**560**	**340**	**370**	**390**	**260**	170	**420**	**740**	170	170	**250**	**260**	**630**	**320**	**230**	160
RCRA 8 Metals (mg/kg)																									
Arsenic	30	7.2	8.1	8	8	7.9	7.1	6.4	5.8	5.4	7.2	6	4.7	4.8	7	6.9	6	5.1	7.8	7.4	6.3	5.2	7.1	6.6	5.6
Barium	1,000	43	44	49	48	48	42	42	37	37	44	38	26	25	39	40	36	30	47	47	38	27	34	33	29
Cadmium	30	ND	0.51	0.5	0.48	0.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	19	17	17	18	17	15	15	14	11	18	12	9.7	9.1	16	18	11	10	19	18	12	9.8	13	13	12
Lead	300	120	100	130	100	100	85	85	64	69	93	74	54	49	85	85	79	100	91	92	94	54	88	55	66
Mercury	20	2.8	0.77	3.2	0.86	0.69	0.82	1.1	0.44	0.3	0.83	0.29	0.31	0.22	0.54	0.47	0.99	0.35	1.5	0.34	0.37	0.17	0.38	0.34	0.15
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																									
Lead	NA	ND	0.6	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																									
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	64.6	254	68.8	67.3	95.7	65.8	38.3	70.4	72.8	60.1	49.4	ND	ND	44.4	68.5	55.4	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	50.1	125	42.9	45	57.7	ND	ND	ND	97.3	ND	ND	55.2	56.7	ND	50.2	ND	212	ND	ND	61.5	45	ND	56.2	ND
Total PCBs (ug/kg)	2,000	114.7	379	111.7	112.3	153.4	65.8	38.3	70.4	170.1	60.1	49.4	55.2	56.7	44.4	118.7	55.4	212	ND	ND	61.5	45	ND	56.2	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																									
Corrosivity (pH)	NA	8.1	8.1	8	7.9	7.8	8.1	9.2	9	9.2	8.2	9.1	8.9	8.5	8	10	9.7	8.5	8.2	9.2	9.9	8.5	8.1	8.4	8.5
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																									
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-346	SP-347	SP-348	SP-349	SP-350	SP-351	SP-352	SP-353	SP-354	SP-355	SP-356	SP-357	SP-358	SP-359	SP-360	SP-361	SP-362	SP-363	SP-364	SP-365	SP-366	SP-367	SP-368	SP-369
SAMPLING DATE	Reportable	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	8-Oct-04	8-Oct-04	8-Oct-04	8-Oct-04	8-Oct-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																									
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	ND	ND	ND	ND	ND	23	ND	ND	ND	19
Benzene	10,000	ND	72	74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	23
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	ND	310	2300	290	ND	ND	ND	460	600	620	770	350	470	ND	1200	960	ND	ND	ND	7.3	460	330	410	21
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	79	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	178	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	ND	382	2631	480	ND	ND	ND	460	600	620	770	350	470	59	1200	960	ND	ND	ND	46.7	460	330	410	63
SVOCs by 8270 (ug/kg)																									
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	500	ND	ND	ND	ND	ND	470	390	1100	ND	ND	ND	ND	740	800	ND	ND	ND	450	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	620	ND	ND	460	ND(190)	510	ND	480	390	ND	460	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	ND	550	1100	ND	550	1100	800	730	1400	1000	2900	530	1100	840	630	1800	1400	390	490	410	960	510	620	600
Benzo(a)anthracene	700	600	**1100**	**1900**	**710**	**1100**	**1800**	**1700**	**1600**	**2500**	**2100**	**4900**	**1200**	**2800**	**1600**	**1200**	**3700**	**2000**	**900**	**1200**	**990**	**2200**	**1400**	**1900**	**1500**
Benzo(a)pyrene	700	560	**940**	**1600**	630	**1000**	**1700**	**1500**	**1400**	**2100**	**1900**	**4600**	**1000**	**2500**	**1400**	**1100**	**3100**	**1900**	**820**	**1100**	**960**	**2000**	**1400**	**1600**	**1400**
Benzo(b)fluoranthene	700	470	**800**	**1400**	520	**840**	**1400**	**1300**	**1200**	**1800**	**1700**	**3400**	**940**	**2100**	**1200**	**910**	**2700**	**1500**	680	**820**	**800**	**1600**	**1100**	**1200**	**1200**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	410	680	1100	480	750	1200	930	1000	1400	1200	2900	650	1500	1000	750	1900	1200	540	780	580	1100	900	880	880
Benzo(k)fluoranthene	7,000	450	790	1300	570	860	1400	1300	1100	1600	1600	3300	910	1900	1200	920	2400	1400	700	940	740	1700	1200	1600	1100
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	2200	1200	1000	ND	ND	ND	3700	1400	1400	5400	3400	830	820	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	560	1100	1800	720	1100	1800	1600	1500	2300	2000	4600	1100	2600	1500	1200	3400	1900	840	1200	1000	2300	1400	1900	1500
Dibenzo(a,h)anthracene	700	ND	ND	380	ND	ND	450	ND	ND	530	450	**1100**	ND	560	380	ND	**730**	440	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	ND	ND	ND	ND	550	380	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	1200	2400	4700	1500	2400	3600	3200	3500	5300	4500	10000	2400	5800	3300	2500	8800	5100	2000	2400	2000	5100	2800	3600	3300
Fluorene	400,000	ND	ND	530	ND	ND	ND	ND	ND	610	480	1400	ND	ND	ND	ND	880	700	ND	ND	ND	490	ND	ND	ND
Indeno(1,2,3-cd)pyrene	700	380	620	**1000**	430	680	**1200**	**910**	**930**	**1300**	**1200**	**2700**	620	**1500**	**940**	650	**1900**	**1200**	470	**720**	490	**960**	**750**	**790**	**800**
Naphthalene	4,000	ND	ND	1100	ND	ND	490	ND	ND	ND	550	770	ND	ND	ND	430	720	ND	ND	ND	ND	ND	ND	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	650	1500	3500	820	1400	2000	2100	2000	3500	3000	8100	1400	3000	2000	1600	6700	4700	1100	1500	1500	5300	1900	2200	2500
Pyrene	700,000	1100	2000	3800	1200	2100	3100	2800	2900	4400	3700	8600	2000	4700	2800	2200	7200	4200	1600	2400	1700	4000	2200	3000	2800
Total SVOCs (ug/kg)	NA	6380	12480	25710	7580	12780	24060	19340	18860	29670	25960	62080	16450	31940	19950	31490	51080	29650	10860	13550	11170	28160	15560	19290	17580

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-346	SP-347	SP-348	SP-349	SP-350	SP-351	SP-352	SP-353	SP-354	SP-355	SP-356	SP-357	SP-358	SP-359	SP-360	SP-361	SP-362	SP-363	SP-364	SP-365	SP-366	SP-367	SP-368	SP-369
SAMPLING DATE	Reportable	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	17-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	20-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	21-Sep-04	8-Oct-04	8-Oct-04	8-Oct-04	8-Oct-04	8-Oct-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	**960**	**220**	**220**	**240**	**550**	**580**	**580**	160	**280**	**380**	**550**	**420**	**290**	170	160	**200**	170	**230**	**310**	150	**200**	180	**480**	140
RCRA 8 Metals (mg/kg)																									
Arsenic	30	4.6	7.3	8.5	5.8	7.3	7.5	7.2	7.6	9	7.3	8.4	8.6	8.2	7.5	7.9	10	6.5	5.7	5.9	8.2	7.2	7.7	6	7.8
Barium	1,000	22	37	36	34	39	38	38	40	42	38	40	42	38	41	41	49	36	32	31	19	19	20	16	17
Cadmium	30	ND	ND	ND	ND	ND	0.54	0.49	0.6	0.61	0.51	0.67	0.59	0.59	0.62	0.62	0.65	0.46	ND	ND	ND	ND	ND	ND	ND
Chromium	1,000	8.5	15	16	12	16	15	17	17	19	17	18	18	17	16	18	24	18	12	15	5.6	5.3	5	5	5.5
Lead	300	38	85	64	89	60	85	78	110	150	110	180	140	150	120	120	48	43	60	43	100	87	130	86	84
Mercury	20	0.14	**39**	1	1.1	0.38	0.22	0.62	0.49	1.3	0.97	2.8	1.5	0.93	1.1	0.58	0.73	0.25	0.21	0.23	0.56	0.54	0.51	0.59	0.38
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																									
Lead	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	0.53	ND	ND	ND	NA	NA	NA	NA	ND	NA	ND	NA	NA
Mercury	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																									
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	1110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	2,000	ND	66.5	90.7	59.3	ND	ND	81.6	ND	ND	48.2	ND	116	141	50.3	51.7	69.9	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	ND	46.3	69.6	110	39.8	512	66.8	ND	ND	40	ND	59	ND	ND	ND	ND	ND	ND	ND	490	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	ND	112.8	160.3	169.3	39.8	1622	148.4	ND	ND	88.2	ND	175	141	50.3	51.7	69.9	ND	ND	ND	490	ND	ND	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																									
Corrosivity (pH)	NA	8.8	8.2	8.5	8.1	8.2	8	7.9	9.6	8.7	7.9	8	7.7	7.6	7.9	8	8	10	8.8	8.5	8.5	9.5	9.8	9.9	8.1
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																									
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-370	SP-371	SP-372	SP-373	SP-374	SP-375	SP-376	SP-377	SP-378	SP-379	SP-380	SP-381	SP-382	SP-383	SP-384	SP385	SP386	SP387	SP388	SP-388A	SP-388B	SP-388C	SP389
SAMPLING DATE	Reportable	8-Oct-04	8-Oct-04	8-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	4-Nov-04	4-Nov-04	4-Nov-04	4-Nov-04	25-Feb-05	25-Feb-05	25-Feb-05	4-Nov-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																								
1,2,4-Trimethylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	980	ND	ND	ND	ND
Acetone	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	44	48	20
Benzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	2.2
Carbon Disulfide	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	31	24
Chlorobenzene	8,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	310	590	560	1100	990	1100	1300	1100	980	1200	1100	ND	ND	1100	ND	ND	ND	ND	990	ND	60	ND	15
n-Propylbenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND
Trichloroethylene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	310	590	560	1100	990	1100	1300	1100	980	1200	1100	3.5	ND	1100	ND	ND	ND	ND	2240	69	104	81.4	61.2
SVOCs by 8270 (ug/kg)																								
1,2,4-Trichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	590	ND	ND	ND	ND	ND	ND	ND	ND	**6400**
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	430	ND	ND	ND	ND	1900	1400	ND	ND	ND	ND	ND	ND	ND	8000
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	820	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	410	580	680	830	550	710	850	ND	1300	1500	600	700	630	3500	1300	400	ND	ND	ND	520	ND	600	6800
Benzo(a)anthracene	700	**1000**	**1200**	**2000**	**1800**	**1100**	**1600**	**1600**	510	**2300**	**2500**	**1100**	**1800**	**2000**	**6000**	**3200**	**970**	**3300**	**3000**	**1100**	**1200**	**800**	**1300**	**15000**
Benzo(a)pyrene	700	**980**	**1300**	**1900**	**1700**	**1100**	**1600**	**1500**	460	**2300**	**2300**	**1000**	**1700**	**2400**	**4900**	**3100**	**910**	**3200**	**2600**	**1000**	**1000**	**730**	**1200**	**14000**
Benzo(b)fluoranthene	700	**770**	**920**	**1200**	**1400**	**920**	**1200**	**1200**	420	**2500**	**1900**	**750**	**1700**	**2100**	**3900**	**2500**	**820**	**2700**	**2200**	ND(395)	**860**	600	**1000**	**12000**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	630	860	1000	1100	620	840	780	ND	1100	1200	620	920	1400	2800	1900	660	2200	ND	ND	690	480	760	6400
Benzo(k)fluoranthene	7,000	900	1300	2000	1300	920	1500	1400	ND	2000	2100	840	1500	2000	4000	2300	730	2600	2000	950	860	560	870	**9700**
Bis(2-ethylhexyl)phthalate	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	1100	1300	2100	1900	1200	1600	1700	500	2500	2600	1100	1900	2200	6000	3400	1000	3400	3000	1200	1200	820	1400	**17000**
Dibenzo(a,h)anthracene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	**1000**	680	ND	ND	ND	ND	ND	ND	ND	**1900**
Dibenzofuran	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	420	ND	ND	ND	1400	870	ND	ND	ND	ND	ND	ND	ND	7000
Di-n-butylphthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	2300	2400	3900	4300	2900	4100	4200	1100	6200	7200	2700	3900	4300	15000	8200	2200	7500	7100	2700	2600	1700	3200	45000
Fluorene	400,000	ND	ND	ND	410	ND	ND	440	ND	580	680	ND	ND	ND	1800	1300	ND	ND	ND	ND	ND	ND	ND	6700
Indeno(1,2,3-cd)pyrene	700	550	**810**	**960**	**1000**	540	**750**	**720**	ND	**1000**	**1100**	580	**800**	**1200**	**2700**	**1800**	590	**2000**	ND	ND	630	440	**720**	**6500**
Naphthalene	4,000	ND	ND	ND	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200	580	ND	ND	ND	ND	ND	ND	ND	**50000**
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	1500	1800	2600	3000	1800	2600	3100	850	4700	5500	2000	2500	2800	14000	7800	1500	4400	5400	1900	1700	1100	2100	44000
Pyrene	700,000	1800	2000	3200	3600	2400	3400	3500	930	5100	5800	2300	3400	3800	12000	6600	1900	6600	5800	2200	2200	1500	2700	36000
Total SVOCs (ug/kg)	NA	11940	14470	21540	23740	14050	19900	20990	4770	32010	35620	13590	20820	25300	82690	46930	11680	37900	31100	11445	13460	8730	15850	292400

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-370	SP-371	SP-372	SP-373	SP-374	SP-375	SP-376	SP-377	SP-378	SP-379	SP-380	SP-381	SP-382	SP-383	SP-384	SP385	SP386	SP387	SP388	SP-388A	SP-388B	SP-388C	SP389
SAMPLING DATE	Reportable	8-Oct-04	8-Oct-04	8-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	13-Oct-04	4-Nov-04	4-Nov-04	4-Nov-04	4-Nov-04	25-Feb-05	25-Feb-05	25-Feb-05	4-Nov-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	ND(39)	**240**	170	**230**	**220**	130	160	140	140	**210**	160	**200**	**200**	170	180	170	**360**	**290**	**250**	**280**	150	170	**560**
RCRA 8 Metals (mg/kg)																								
Arsenic	30	8.9	9.5	7.2	9.6	9.1	9.2	8.9	9	8.8	7.8	9	10	9.1	7.6	11	8.2	9.1	8.8	11	8.3	7.5	9.9	8.2
Barium	1,000	18	21	18	35	39	39	43	44	45	42	34	46	42	41	43	33	35	36	37	42	39	45	33
Cadmium	30	ND	ND	ND	0.65	0.64	0.56	0.69	0.65	0.74	0.63	0.58	1.1	0.65	0.58	0.74	ND	0.55	0.46	0.62	ND	ND	ND	0.57
Chromium	1,000	7	6	5.8	13	15	15	17	17	18	16	17	17	17	16	18	12	15	14	15	16	17	20	9.9
Lead	300	76	94	79	100	150	120	140	93	120	110	110	180	100	90	100	160	110	100	160	88	68	120	110
Mercury	20	0.45	0.42	0.42	0.4	0.45	0.44	0.55	0.38	0.53	0.54	0.24	0.6	0.43	0.62	0.72	0.39	0.4	0.44	0.41	0.37	0.41	0.34	0.26
Selenium	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																								
Lead	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	0.96	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																								
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	239	**2720**	**2080**	**2640**	**14700**	**3100**	204	1750	**76600**
Aroclor 1254	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	2,000	ND	103	130	ND	ND	ND	46.5	40.6	68.2	ND	ND	40.1	ND	ND	370	427	**4030**	1200	**2190**	**2980**	334	1250	ND
Total PCBs (ug/kg)	2,000	ND	103	130	ND	ND	ND	46.5	40.6	68.2	ND	ND	40.1	ND	ND	609	**3147**	**6110**	**3840**	**16890**	**6080**	538	**3000**	**76600**
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																								
Corrosivity (pH)	NA	9.5	9.6	10	9.8	8.6	10.4	9.3	10.2	9.1	9.5	9.7	8.4	9.1	9.7	8.1	8.5	10.1	9.7	9	8.1	8.2	8.1	8.9
Ignitability (degrees F)	NA	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	NI	NI	NI	>150
Reactive Cyanide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																								
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-389	SP398	SP399	SP400	SP401	SP402	SP403	SP404	SP405	SP406	SP406A	SP407	SP407A	SP408	SP409	SP410
SAMPLING DATE	Reportable	25-Feb-05	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	23-Nov-04	9-Nov-04	23-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
VOCs by 8260 (ug/kg)																	
1,2,4-Trimethylbenzene	1,000,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND
Acetone	3,000	-	ND	ND	ND	ND	28	ND	44	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10,000	-	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	8,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	80,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,000,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	500	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	300	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4,000	-	620	920	960	690	18	ND	33	600	ND	26	820	20	710	950	510
n-Propylbenzene	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	500	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	90,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	400	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,000,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, mixture	500,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs (ug/kg)	NA	-	620	920	960	690	46	ND	82.8	600	ND	26	960	20	710	950	510
SVOCs by 8270 (ug/kg)																	
1,2,4-Trichlorobenzene	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	3,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1,000,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4,000	-	ND	ND	ND	ND	ND	ND	ND	1600	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	-	ND	ND	ND	ND	ND	590	ND	1200	ND	440	ND	ND	ND	900	ND
Acenaphthylene	100,000	-	ND	ND	ND	ND	ND	ND	ND	810	ND	510	ND	740	ND	ND	ND
Anthracene	1,000,000	-	ND	520	1000	930	ND	ND	780	1800	800	1300	640	1200	1200	2100	1400
Benzo(a)anthracene	700	-	**870**	**1200**	**2000**	**1900**	**740**	**750**	**1500**	**2300**	**1800**	**2400**	**1400**	**2000**	**2100**	**3400**	**2500**
Benzo(a)pyrene	700	-	**840**	**1100**	**1700**	**1700**	650	660	**1400**	**1900**	**1600**	**2100**	**1300**	**1700**	**1900**	**3000**	**2100**
Benzo(b)fluoranthene	700	-	**700**	**980**	**1300**	**1500**	530	570	**1200**	**1500**	**1200**	**1900**	**1000**	**1500**	**1600**	**2000**	**1700**
Benzo(e)pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1,000,000	-	600	750	1100	1000	430	420	930	1100	910	1300	770	960	1200	1700	1300
Benzo(k)fluoranthene	7,000	-	660	810	1500	1200	580	500	1100	1500	1300	1700	1100	1500	1400	2500	1700
Bis(2-ethylhexyl)phthalate	100,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7,000	-	910	1200	2000	1900	760	770	1600	2600	1800	2400	1400	2000	2300	3400	2400
Dibenzo(a,h)anthracene	700	-	ND	ND	ND	410	ND	ND	ND	ND	ND	ND	ND	ND	420	ND	ND
Dibenzofuran	100,000	-	ND	ND	ND	ND	ND	530	ND	550	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl-phthalate	1,000,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	-	1900	2600	4900	5200	1600	1800	3700	5800	4400	7100	3300	5800	5500	9000	6100
Fluorene	400,000	-	ND	ND	540	410	ND	540	ND	1500	ND	590	ND	640	560	1000	ND
Indeno(1,2,3-cd)pyrene	700	-	540	670	**980**	**970**	400	390	**770**	**1000**	**840**	**1200**	**740**	**960**	**1000**	**1600**	**1200**
Naphthalene	4,000	-	ND	ND	650	ND	ND	ND	ND	460	ND	ND	ND	460	520	ND	ND
n-butylbenzylphthalate	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	100,000	-	1200	1700	4100	4100	1100	1300	2900	8000	3200	4100	2400	3700	4800	8100	5000
Pyrene	700,000	-	1600	2300	4000	4200	1400	1400	3100	6000	3700	6400	2800	5100	4800	7400	5000
Total SVOCs (ug/kg)	NA	-	9820	13830	25770	25420	8190	10220	18980	39620	21550	33440	16850	28260	29300	46100	30400

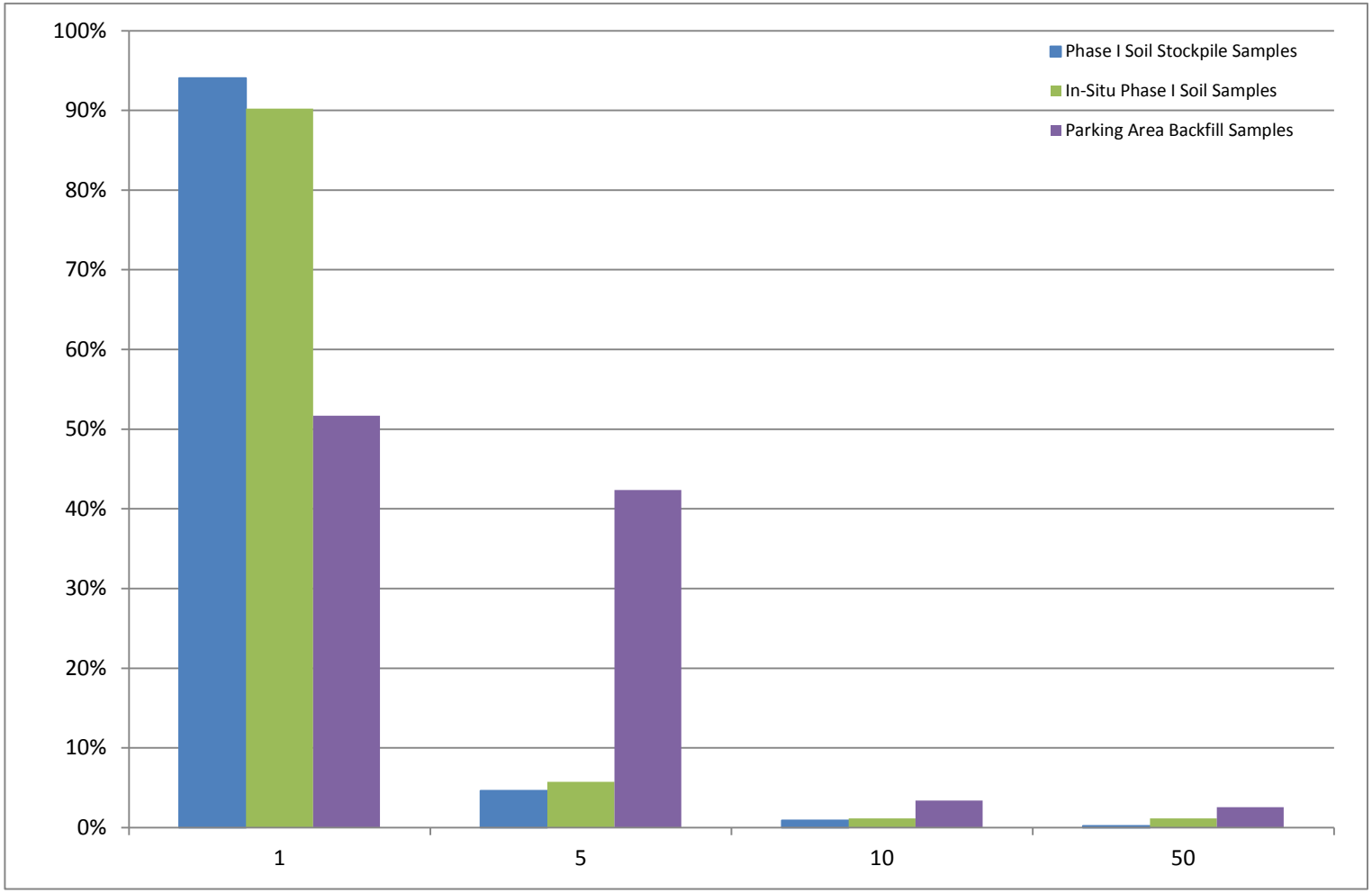
TABLE VI
SUMMARY OF SOIL QUALITY DATA
PHASE 1 SOIL STOCKPILES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS

SAMPLE DESIGNATION	MCP	SP-389	SP398	SP399	SP400	SP401	SP402	SP403	SP404	SP405	SP406	SP406A	SP407	SP407A	SP408	SP409	SP410
SAMPLING DATE	Reportable	25-Feb-05	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04	23-Nov-04	9-Nov-04	23-Nov-04	9-Nov-04	9-Nov-04	9-Nov-04
SAMPLE DEPTH (FT.)	Concentration	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile	Stockpile
SAMPLE TYPE	RCS-1	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
TPH by GC/FID (mg/kg)	200	-	**260**	180	150	**280**	140	**260**	**550**	**590**	**260**	**220**	**280**	**240**	**270**	**220**	**440**
RCRA 8 Metals (mg/kg)																	
Arsenic	30	-	8.6	10	9	9.1	5.5	7.7	9	7.2	7.3	10	7	7.9	7.4	8.2	8
Barium	1,000	-	43	43	43	42	38	42	44	44	44	41	44	51	43	45	47
Cadmium	30	-	ND	ND	ND	ND	ND	ND	ND	0.72	ND	0.52	ND	0.56	0.64	ND	ND
Chromium	1,000	-	19	19	21	18	16	18	19	18	17	24	18	19	18	17	19
Lead	300	-	95	120	76	100	56	100	80	120	140	50	110	99	98	110	110
Mercury	20	-	0.42	0.42	0.47	0.49	0.11	0.23	0.63	0.94	0.57	0.52	0.69	0.4	0.5	0.42	0.29
Selenium	400	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	100	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP (mg/L)																	
Lead	NA	NA	NA	ND	NA	ND	NA	ND	NA	1	ND	NA	0.57	NA	NA	ND	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																	
Aroclor 1242/1016	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	2,000	1690	**3050**	356	ND	ND	63.7	456	ND	ND	ND	**2010**	ND	ND	ND	ND	ND
Aroclor 1254	2,000	**2210**	ND	ND	ND	ND	ND	ND	ND	ND	ND	459	ND	ND	ND	ND	ND
Aroclor 1260	2,000	ND	1040	ND	1590	ND	ND	ND	ND	ND	ND	ND	47.8	ND	ND	ND	ND
Total PCBs (ug/kg)	2,000	**3900**	**4090**	356	1590	ND	63.7	456	ND	ND	ND	**2469**	47.8	ND	ND	ND	ND
Pesticides (ug/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waste Characteristics																	
Corrosivity (pH)	NA	-	9.9	9.3	9.8	10	9	8.9	8.7	9.3	9.4	9.2	8.4	8.6	10	10	9.9
Ignitability (degrees F)	NA	-	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Reactive Cyanide (mg/kg)	NA	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (mg/kg)	NA	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Chemistry																	
Cyanide (Total) (mg/Kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (umhos/cm)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
NA : Not applicable
- : Not analyzed
ND: Not detected above laboratory detection limit
E : analtye response exceeded calibration range. Analyte result is an estimate.
J : Estimated value detected below the laboratory detection limit.

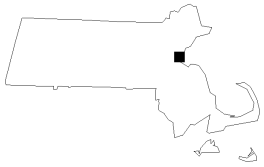
NOTES:
1. Data are compared to 2003 MCP, in effect at time of RAM Completion.
2. This table includes only those compounds detected on the dates indicated.
3. Bold values indicate an exceedance of 2003 RCS-1 criteria.
4. Bold ND values indicate that one-half the laboratory quantitation limit exceeds the 2003 RCS-1 criteria.

TABLE VII
DISTRIBUTION OF PCB DATA IN PHASE 1 SOIL SAMPLES
PHASE 2, WEST OF C STREET
BOSTON CONVENTION & EXHIBITION CENTER
BOSTON, MASSACHUSETTS



MAP SOURCE: ESRI

SITE COORDINATES: 42°20'37"N, 71°2'57"W



HALEY ALDRICH

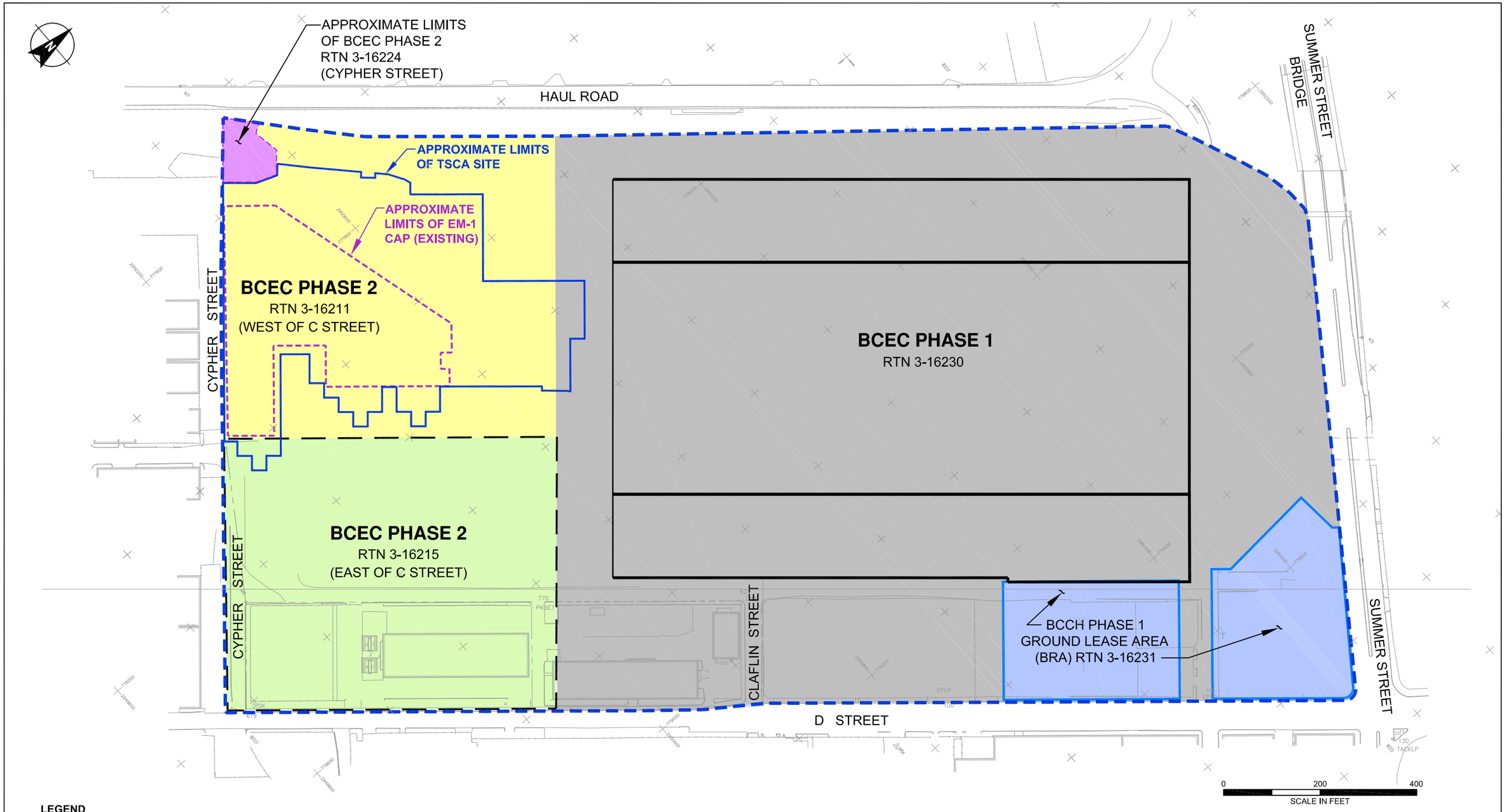
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
JUNE 2016

FIGURE 1

12486-560_1_LOCUS.PDF



LEGEND

BCEC PROJECT BOUNDARY

HALEY ALDRICH

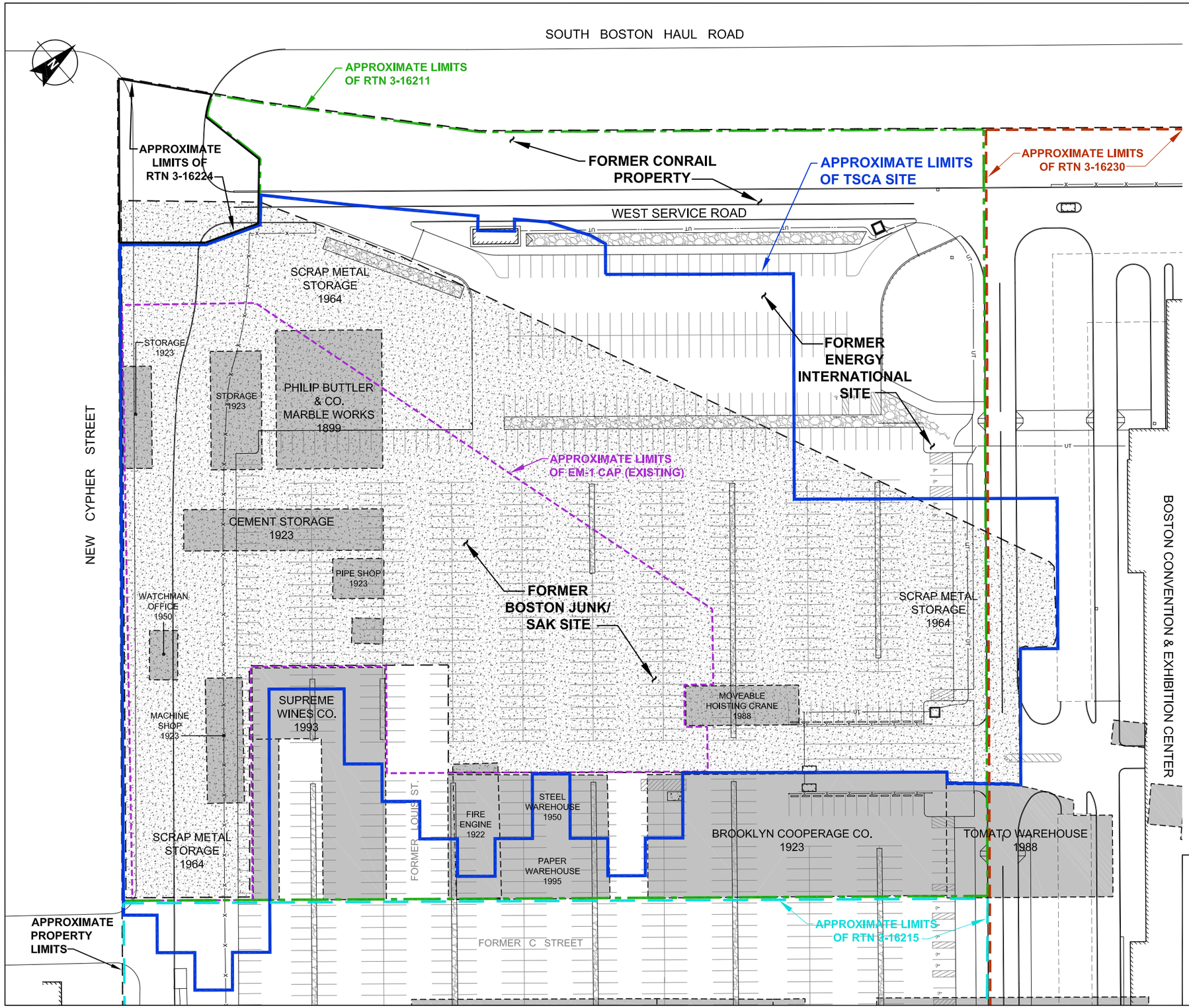
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

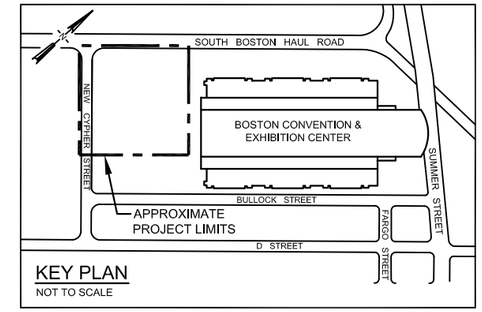
BCEC PROJECT PLAN

SCALE: AS SHOWN
JUNE 2016

FIGURE 2

MCELENEY, TERRI Printed: 6/2/2016 5:33 PM Layout: B229
J:\GRAPHICS\12486\12486-585-B229.DWG





LEGEND

PIPE SHOP 1923	BUILDING USE, YEAR AND APPROXIMATE LOCATION OF FORMER BUILDING
SCRAB METAL STORAGE 1964	BUILDING USE, YEAR AND APPROXIMATE LOCATION OF FORMER WORK AREA

NOTES

1. BASE PLAN TAKEN FROM ELECTRONIC CAD FILE NAMED "V-XP EXISTING CONDITIONS.DWG", UNTITLED, UNDATED RECEIVED ON 16 MAY 2016, FROM TETRA TECH INC., OF MARLBOROUGH, MASSACHUSETTS.
2. LIMITS OF EM-1 CAP TAKEN FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON & SAMPSON ENGINEERS, INC.
3. LOCATIONS OF FORMER BUILDINGS AND STRUCTURES ARE BASED ON HISTORIC SITE PLANS PROVIDED BY OTHERS. FORMER BUILDING AND STRUCTURE LOCATIONS ARE VERY APPROXIMATE.
4. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

0 80 160
SCALE IN FEET

HALEY ALDRICH

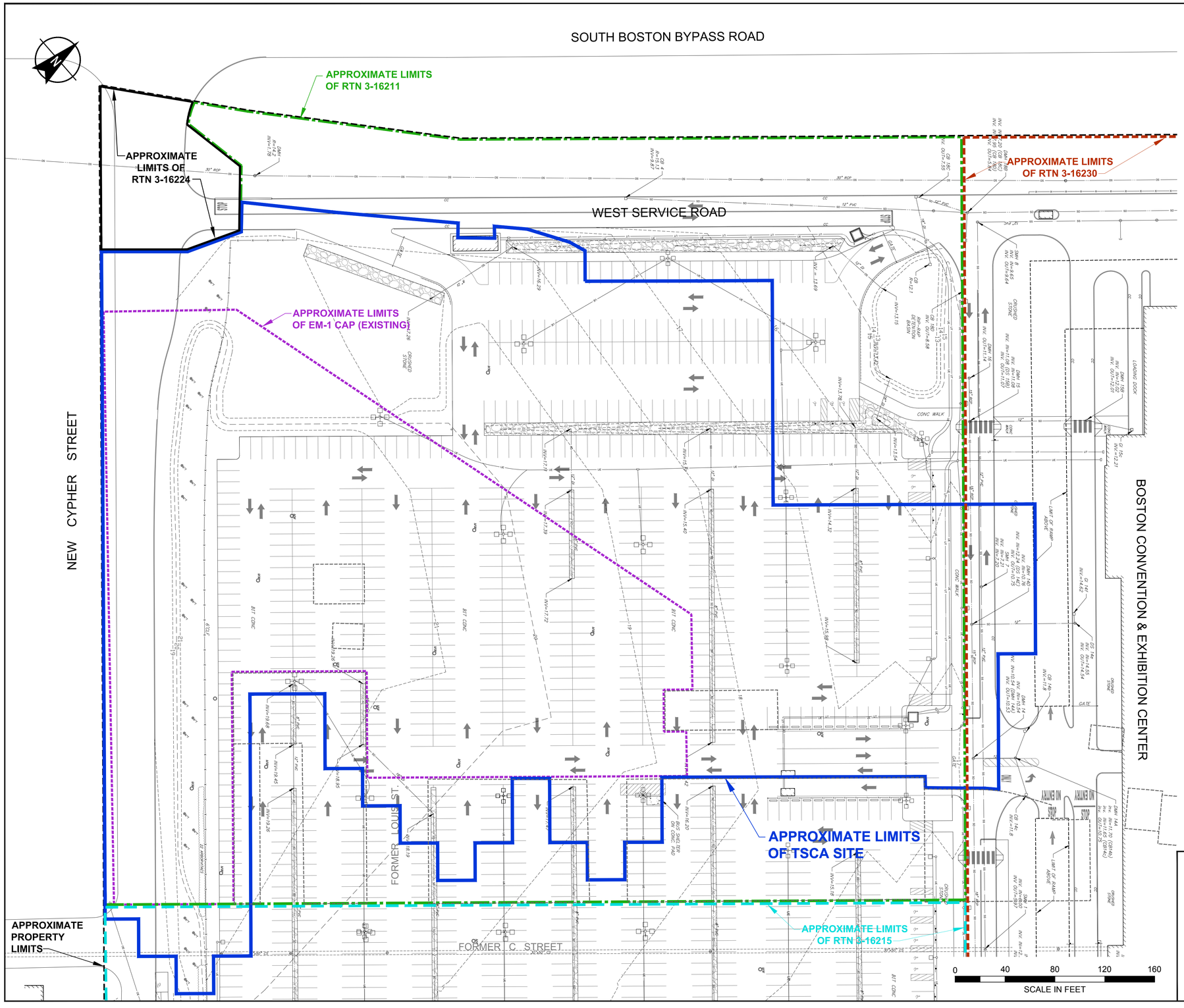
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

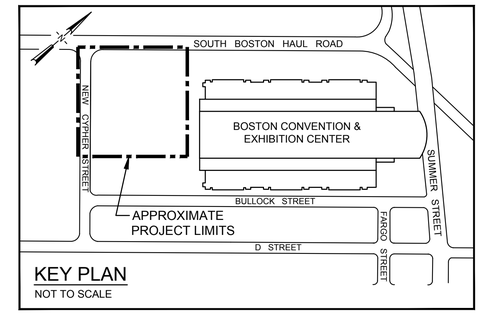
HISTORICAL SITE PLAN

SCALE: AS SHOWN
JUNE 2016

FIGURE 3

J:\GRAPHICS\12486\12486-585-B231.DWG





KEY PLAN
NOT TO SCALE

NOTES

1. BASE PLAN TAKEN FROM ELECTRONIC CAD FILE NAMED "V-XP EXISTING CONDITIONS.DWG", UNTITLED, UNDATED RECEIVED ON 16 MAY 2016, FROM TETRA TECH INC., OF MARLBOROUGH, MASSACHUSETTS.
2. LIMITS OF EM-1 CAP TAKEN FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON & SAMPSON ENGINEERS, INC.
3. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

HALEY ALDRICH

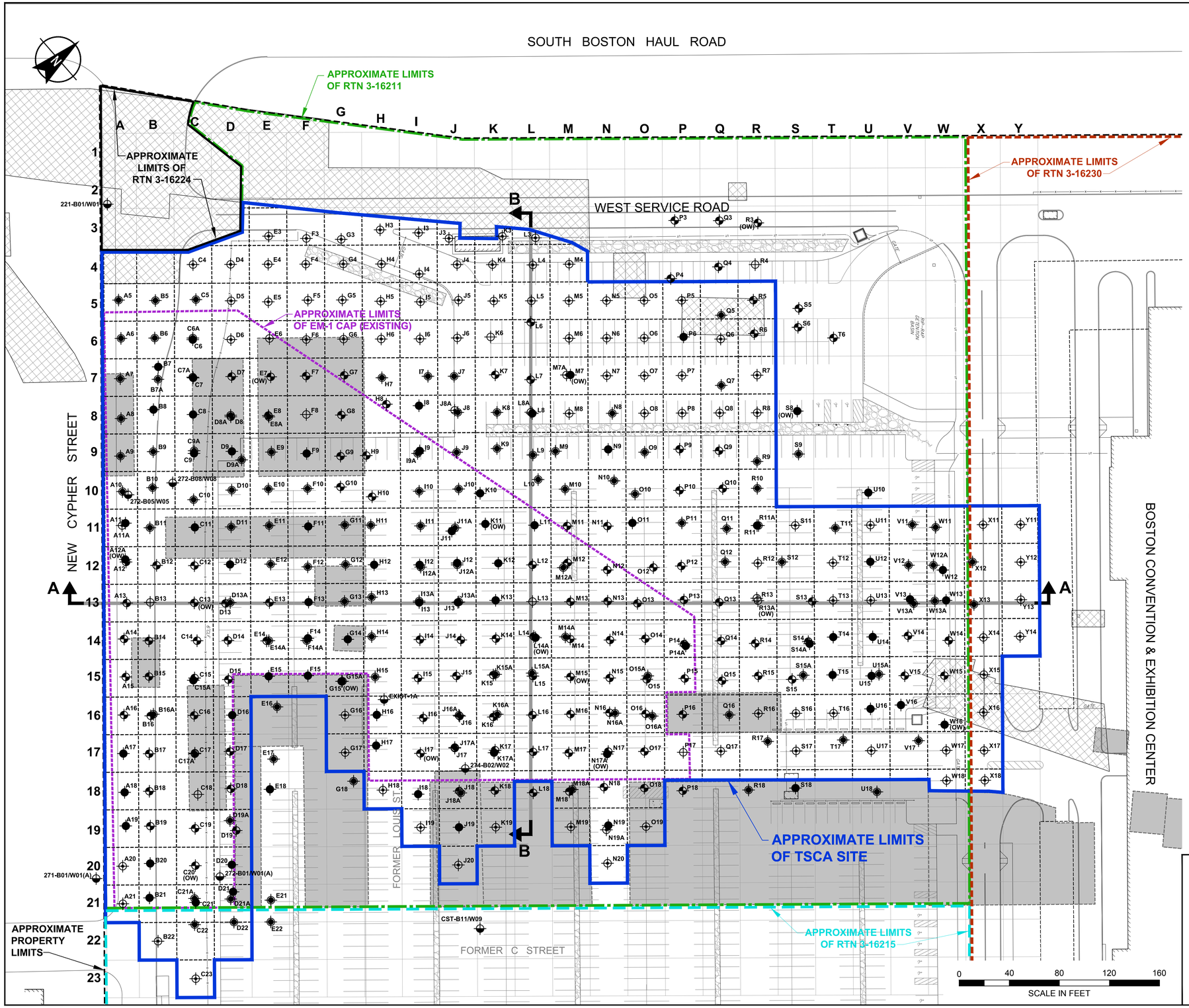
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

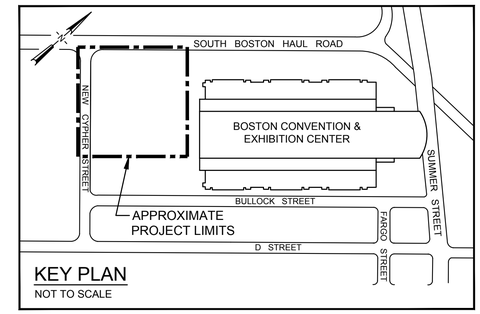
EXISTING CONDITIONS PLAN

SCALE: AS SHOWN
JUNE 2016

FIGURE 4

J:\GRAPHICS\12486\12486-585-D238.DWG





KEY PLAN

NOT TO SCALE

LEGEND

- R7 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. FROM NOVEMBER THROUGH DECEMBER 2015
- A10 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. FROM JANUARY THROUGH MARCH 2015
- B7 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN DECEMBER 2010 AND JANUARY 2011
- A13 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN JUNE AND JULY 2010
- B13 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL/ GEOTECHNICAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN JUNE AND JULY 2010
- EXIST-1A — DESIGNATION AND APPROXIMATE LOCATION OF OBSERVATION WELL INSTALLED BY OTHERS BETWEEN 1998 AND 2000
- (OW) — INDICATES OBSERVATION WELL INSTALLED IN COMPLETED BOREHOLE
- APPROXIMATE LOCATION OF FORMER STRUCTURE
- 1 A — DESIGNATION AND APPROXIMATE LOCATION OF PRECHARACTERIZATION GRID (A1)
- AREA OF HISTORIC (1992-2000) PCB REMEDIATION
- A A — DESIGNATION, ORIENTATION AND LOCATION OF SUBSURFACE PROFILE, SEE FIGURE 7

NOTES

1. BASE PLAN TAKEN FROM ELECTRONIC CAD FILE NAMED "V-XP EXISTING CONDITIONS.DWG", UNTITLED, UNDATED RECEIVED ON 16 MAY 2016, FROM TETRA TECH INC., OF MARLBOROUGH, MASSACHUSETTS.
2. LIMITS OF EM-1 CAP TAKEN FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON & SAMPSON ENGINEERS, INC.
3. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

HALEY ALDRICH

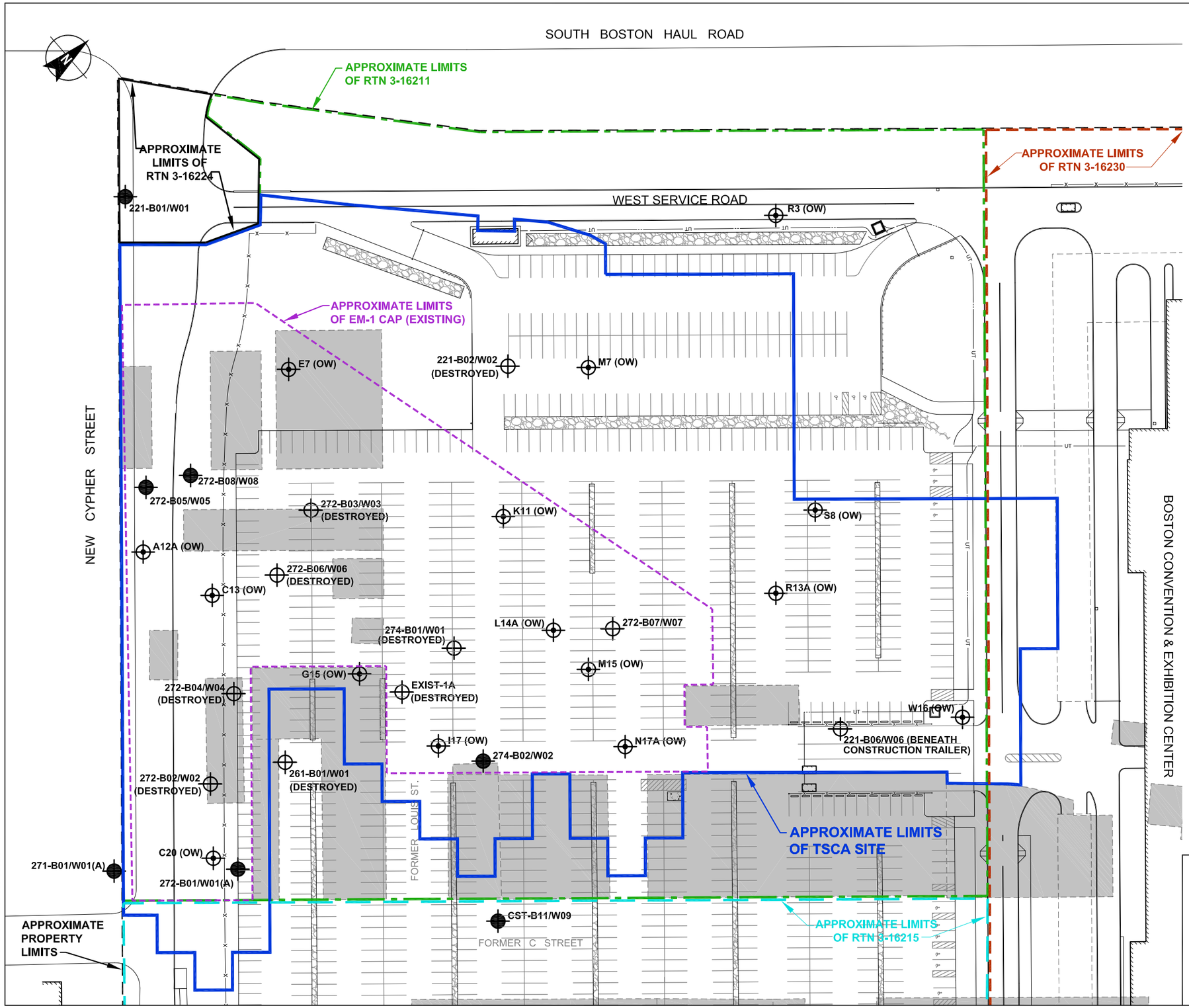
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

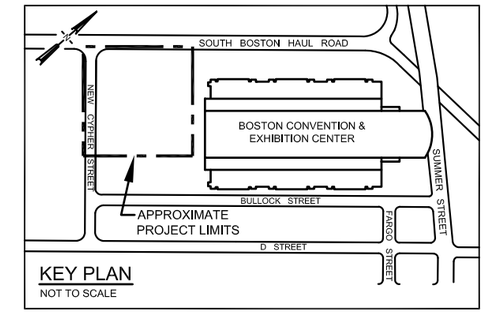
SITE AND SUBSURFACE EXPLORATION LOCATION PLAN

SCALE: AS SHOWN
JUNE 2016

FIGURE 5

J:\GRAPHICS\12486\12486-585-D230.DWG





KEY PLAN
NOT TO SCALE

LEGEND

S8 (OW)	DESIGNATION AND APPROXIMATE LOCATION OF OBSERVATION WELL INSTALLED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN 2010 AND 2011
272-B07/W07	DESIGNATION AND APPROXIMATE LOCATION OF OBSERVATION WELL INSTALLED BY OTHERS BETWEEN 1998 AND 2000
274-B02/W02	DESIGNATION AND APPROXIMATE LOCATION OF GROUNDWATER OBSERVATION WELL SAMPLED AS PART OF EM-1 MAINTENANCE AND MONITORING PLAN
	APPROXIMATE LOCATION OF FORMER STRUCTURE

NOTES

1. BASE PLAN TAKEN FROM ELECTRONIC CAD FILE NAMED "V-XP EXISTING CONDITIONS.DWG", UNTITLED, UNDATED RECEIVED ON 16 MAY 2016, FROM TETRA TECH INC., OF MARLBOROUGH, MASSACHUSETTS.
2. LIMITS OF EM-1 CAP TAKEN FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON & SAMPSON ENGINEERS, INC.
3. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

0 80 160
SCALE IN FEET

HALEY ALDRICH

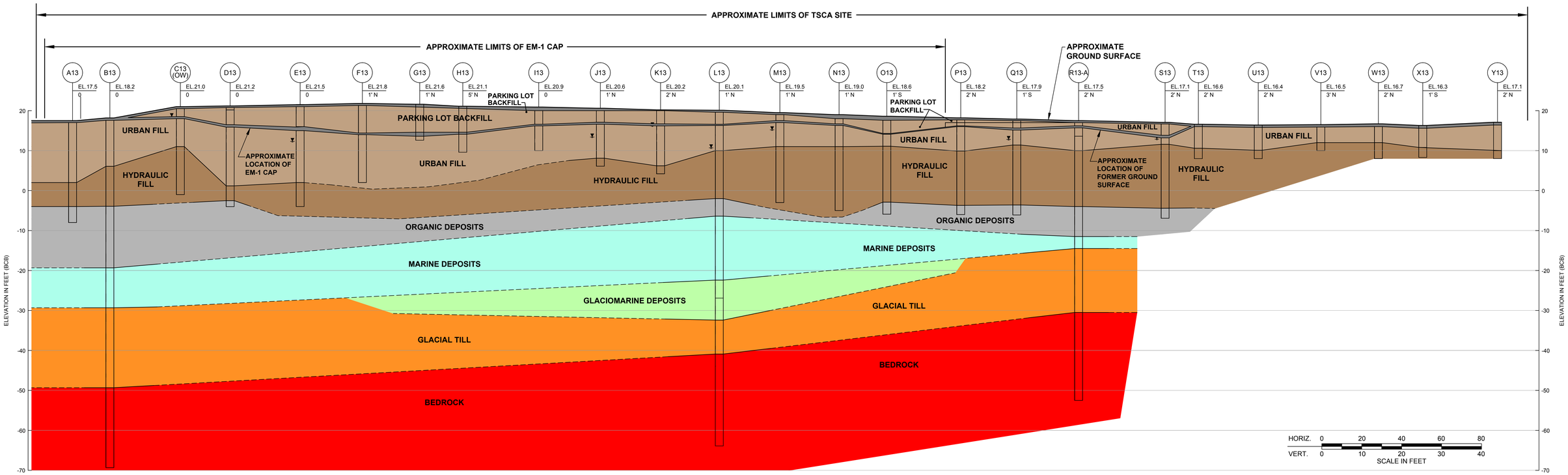
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

SITE AND GROUNDWATER MONITORING WELL LOCATION PLAN

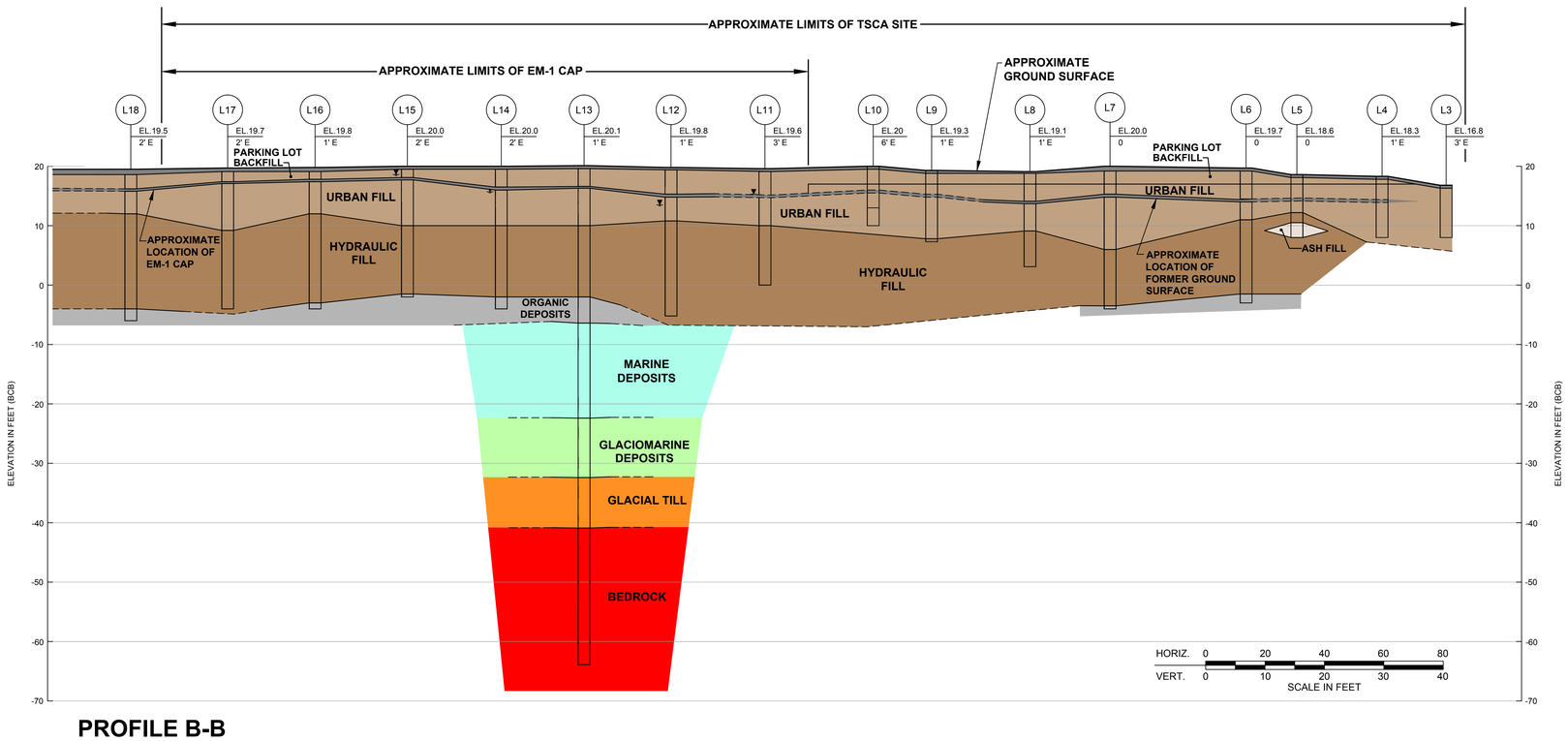
SCALE: AS SHOWN
JUNE 2016

FIGURE 6

J:\GRAPHICS\12486\12486-585-B232.DWG



PROFILE A-A



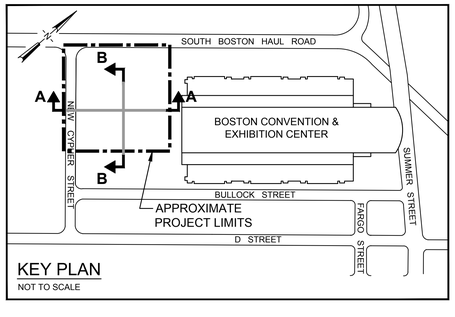
PROFILE B-B

LEGEND

- E13 — TEST BORING DESIGNATION
- EL.21.5 / 2' N — APPROXIMATE GROUND SURFACE ELEVATION; OFFSET BETWEEN BORING AND LINE OF SUBSURFACE PROFILE (IN FEET)
- MAXIMUM WATER LEVEL OBSERVED
- INTERPRETED GEOLOGIC STRATUM INTERFACE, DASHED WHERE INFERRED
- BOTTOM OF EXPLORATION

NOTES

1. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE.
2. LINES REPRESENTING CHANGES IN STRATA ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
3. OFFSET DISTANCES ARE INDICATED PERPENDICULAR TO THE PLAN LOCATION OF THE SUBSURFACE PROFILE LINE.
4. REFER TO FIGURE 3 FOR PLAN LOCATION OF PROFILES.
5. LIMITS OF EM-1 CAP BASED ON FIELD OBSERVATIONS AND FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON AND SAMPSON ENGINEERS, INC.



KEY PLAN
NOT TO SCALE

HALEY ALDRICH

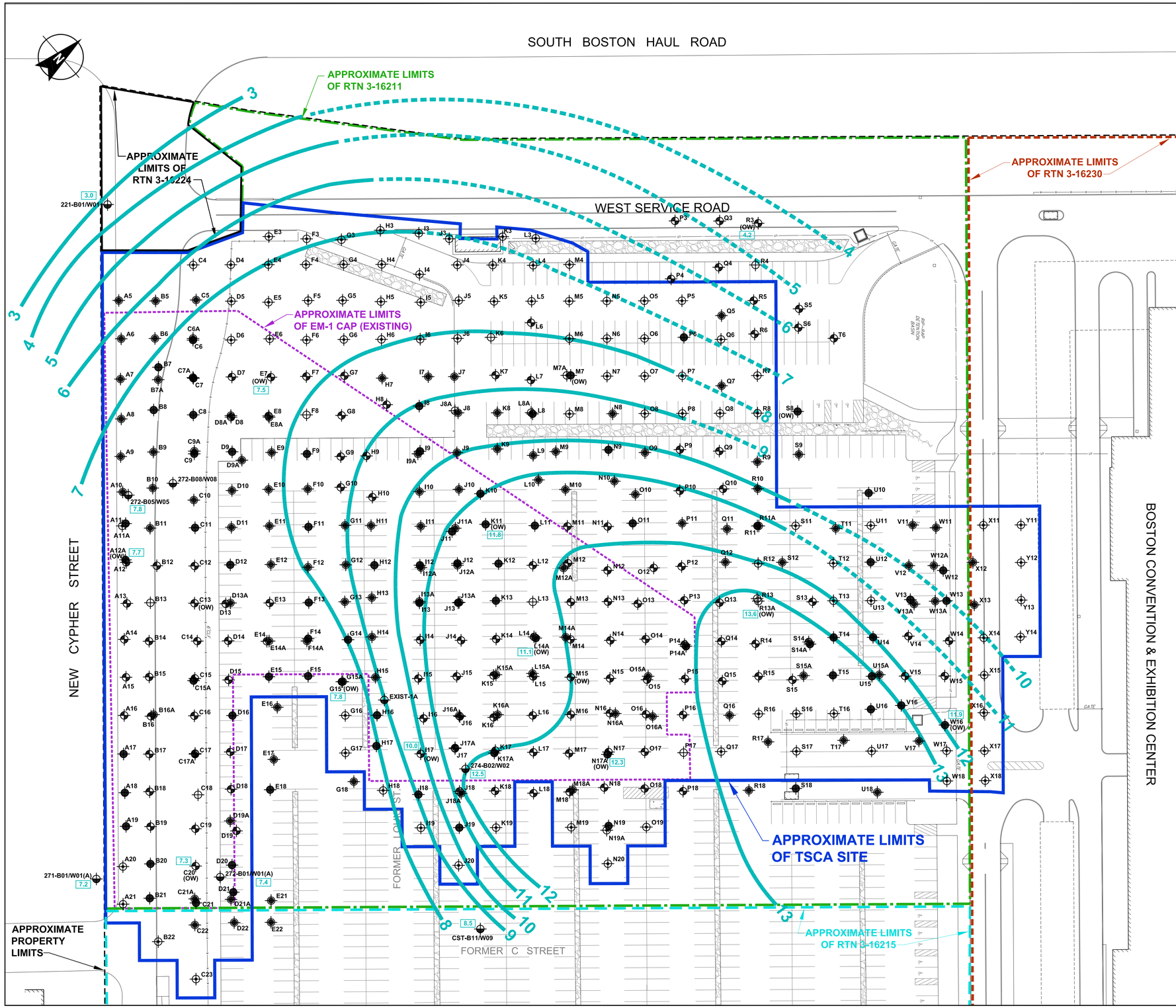
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

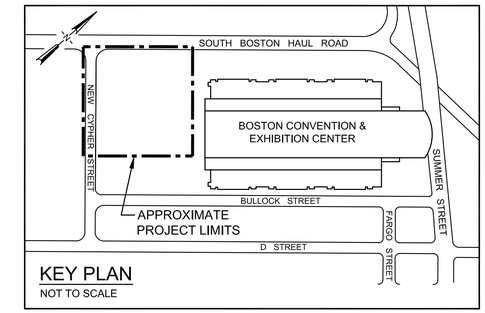
SUBSURFACE PROFILES
A-A AND B-B

SCALE: AS SHOWN
JUNE 2016

FIGURE 7

J:\GRAPHICS\12486\12486-585-E233.DWG





KEY PLAN

NOT TO SCALE

LEGEND

- 11 — APPROXIMATE GROUNDWATER CONTOUR ELEVATION (BCB). DASHED WHERE INFERRED
- 11.5 — INDICATES GROUNDWATER ELEVATION (BCB, IN FEET) AS MEASURED IN OBSERVATION WELL ON 11 MAY 2016
- R7 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. FROM NOVEMBER THROUGH DECEMBER 2015
- A10 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. FROM JANUARY THROUGH MARCH 2015
- B7 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN DECEMBER 2010 AND JANUARY 2011
- A13 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN JUNE AND JULY 2010
- B13 — DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL/ GEOTECHNICAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN JUNE AND JULY 2010
- EXIST-1A — DESIGNATION AND APPROXIMATE LOCATION OF OBSERVATION WELL INSTALLED BY OTHERS BETWEEN 1998 AND 2000
- (OW) — INDICATES OBSERVATION WELL INSTALLED IN COMPLETED BOREHOLE

NOTES

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3. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

0 40 80 120 160

SCALE IN FEET

HALEY ALDRICH

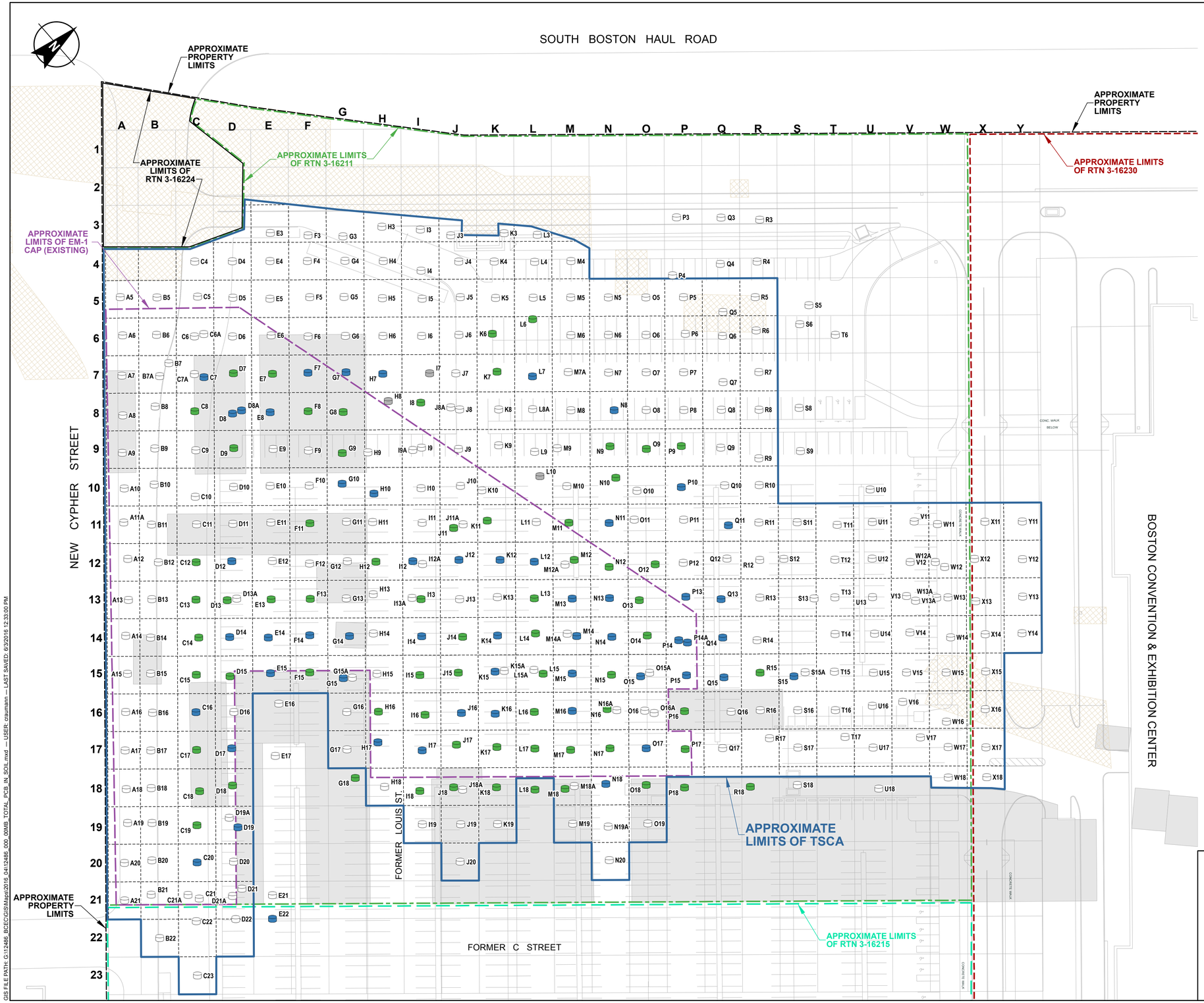
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

GROUNDWATER ELEVATION CONTOURS - SPRING 2016

SCALE: AS SHOWN
JUNE 2016

FIGURE 8

J:\GRAPHICS\12486\12486-585-D234.DWG



LEGEND

TOTAL PCB CONCENTRATION (PPM)

- NON-DETECT
- ≤ 1
- > 1 TO ≤ 50
- > 50 TO ≤ 100
- > 100 TO ≤ 500
- > 500
- INTERVAL NOT SAMPLED

SAMPLE WITHIN PARKING AREA BACKFILL (ELEVATIONS VARY)

APPROXIMATE LOCATION OF FORMER STRUCTURE

AREA OF PCB-IMPACTED SOIL REMEDIATION TO <50 PPM BETWEEN 1992 AND 2000

SAMPLING KEY
NOT TO SCALE

DATA ON THIS PLAN REFERS TO THIS INTERVAL

ASPHALT PARKING LOT (ELEVATION VARIES)

FORMER GROUND SURFACE (ELEVATION VARIES)

SEE FIGURE 10

SEE FIGURE 11

SEE FIGURE 12

NOTES

1. SAMPLE LOCATIONS ARE APPROXIMATE AND SYMBOLS ARE NOT TO SCALE.

2. DATA SHOWN FOR DISPLAY PURPOSES ONLY. ACTUAL SAMPLE ELEVATIONS MAY VARY. REFER TO TABLES III AND IV OF THE TSCA WORK PLAN FOR DETAILS OF SAMPLE COLLECTION AND ANALYSIS.

0 40 80 120 160
SCALE IN FEET

HALEY ALDRICH

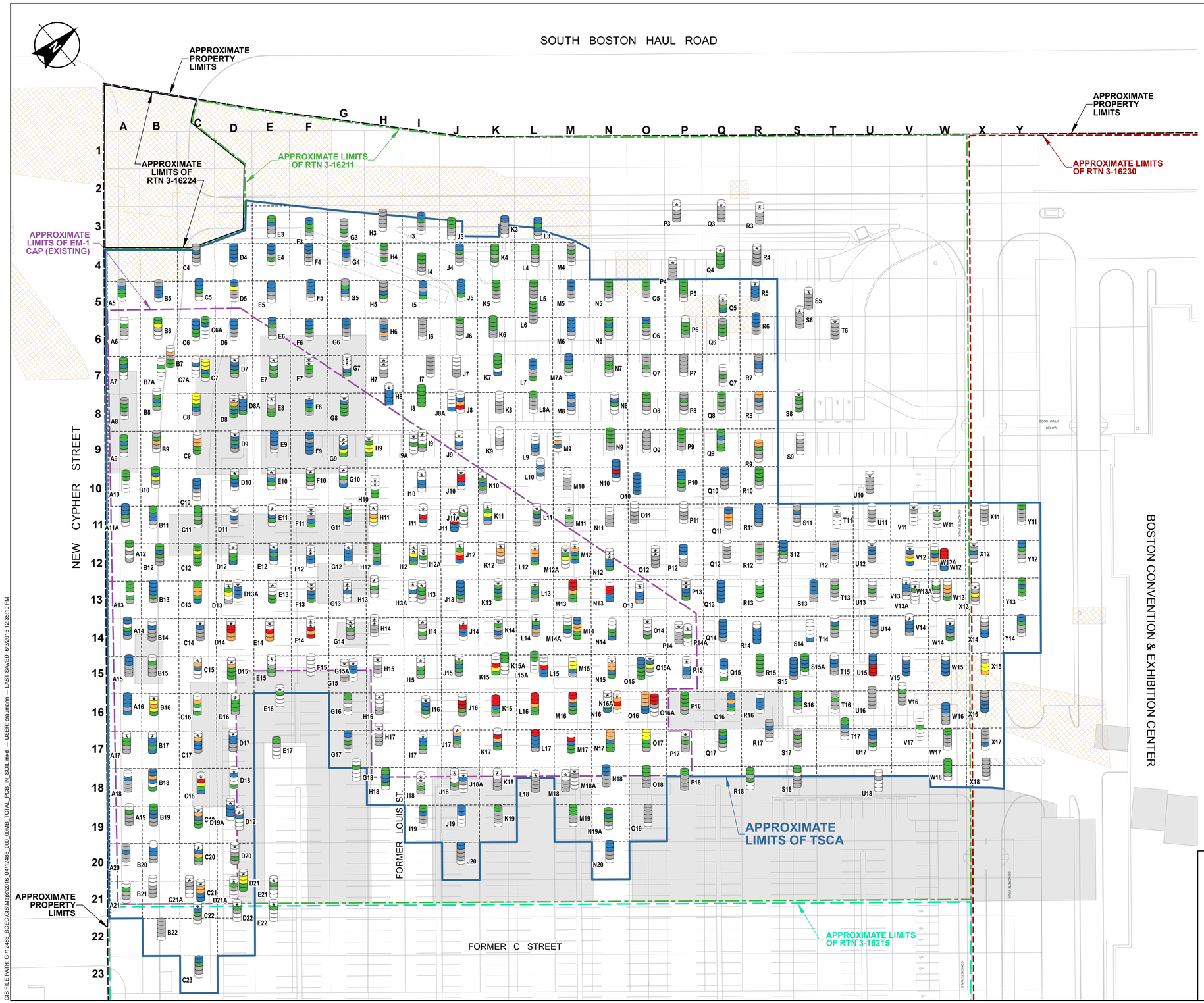
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

TOTAL PCB CONCENTRATION IN SOIL
PARKING AREA BACKFILL

JUNE 2016

FIGURE 9

GIS FILE PATH: G:\12486_BCEC\GIS\Maps\2016_04\12486_000_00MB_TOTAL_PCB_IN_SOIL.mxd -- USER: craumann -- LAST SAVED: 6/3/2016 12:33:00 PM



LEGEND

TOTAL PCB CONCENTRATION (PPM)

- NON-DETECT
- ≤ 1
- > 1 TO ≤ 50
- > 50 TO ≤ 100
- > 100 TO ≤ 500
- > 500
- INTERVAL NOT SAMPLED
- INTERVAL ABOVE EM-1 CAP OR FORMER GROUND SURFACE

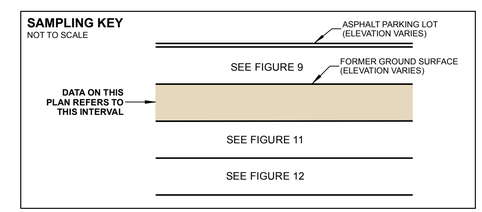
APPROXIMATE SAMPLE ELEVATION INTERVALS (FEET)

- EM-1 CAP OR FORMER GROUND SURFACE TO 16
- 16 TO 14
- 14 TO 12
- 12 TO 10
- 10 TO 8

APPROXIMATE LOCATION OF FORMER

AREA OF PCB-IMPACTED SOIL REMEDIATION TO <50 PPM BETWEEN 1992 AND 2000

SAMPLING KEY
NOT TO SCALE



NOTES

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2. DATA SHOWN FOR DISPLAY PURPOSES ONLY. ACTUAL SAMPLE ELEVATIONS MAY VARY. REFER TO TABLES III AND IV OF THE TSCA WORK PLAN FOR DETAILS OF SAMPLE COLLECTION AND ANALYSIS.

0 40 80 120 160
SCALE IN FEET

HALEY ALDRICH

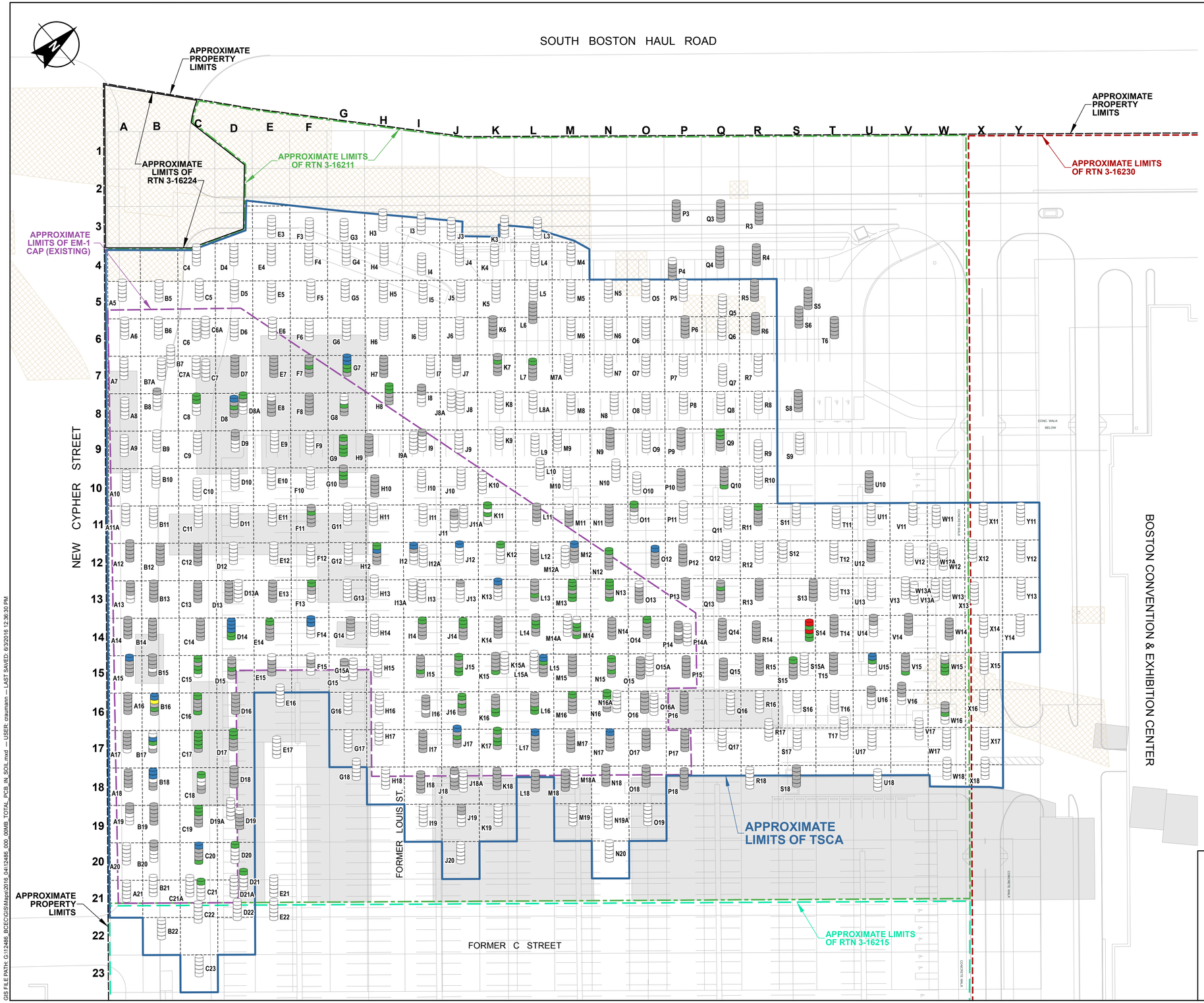
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

TOTAL PCB CONCENTRATION IN SOIL
EM-1 CAP/FORMER GROUND SURFACE
TO EL. 8

JUNE 2016

FIGURE 10

GIS FILE PATH: G:\12486_BCEC\GIS\Maps\2016_04\12486_000_00MB_TOTAL_PCB_IN_SOIL.mxd — USER: craumann — LAST SAVED: 6/3/2016 12:35:10 PM



LEGEND

TOTAL PCB CONCENTRATION (PPM)

- NON-DETECT
- ≤ 1
- > 1 TO ≤ 50
- > 50 TO ≤ 100
- > 100 TO ≤ 500
- > 500
- INTERVAL NOT SAMPLED

APPROXIMATE SAMPLE ELEVATION INTERVALS (FEET)

- 8 TO 6
- 6 TO 4
- 4 TO 2
- 2 TO 0
- 0 TO -2

APPROXIMATE LOCATION OF FORMER STRUCTURE

AREA OF PCB-IMPACTED SOIL REMEDIATION TO <50 PPM BETWEEN 1992 AND 2000

SAMPLING KEY
NOT TO SCALE

ASPHALT PARKING LOT (ELEVATION VARIES)
SEE FIGURE 9
FORMER GROUND SURFACE (ELEVATION VARIES)
SEE FIGURE 10
DATA ON THIS PLAN REFERS TO THIS INTERVAL
SEE FIGURE 12

NOTES

1. SAMPLE LOCATIONS ARE APPROXIMATE AND SYMBOLS ARE NOT TO SCALE.

2. DATA SHOWN FOR DISPLAY PURPOSES ONLY. ACTUAL SAMPLE ELEVATIONS MAY VARY. REFER TO TABLES III AND IV OF THE TSCA WORK PLAN FOR DETAILS OF SAMPLE COLLECTION AND ANALYSIS.

0 40 80 120 160
SCALE IN FEET

HALEY ALDRICH

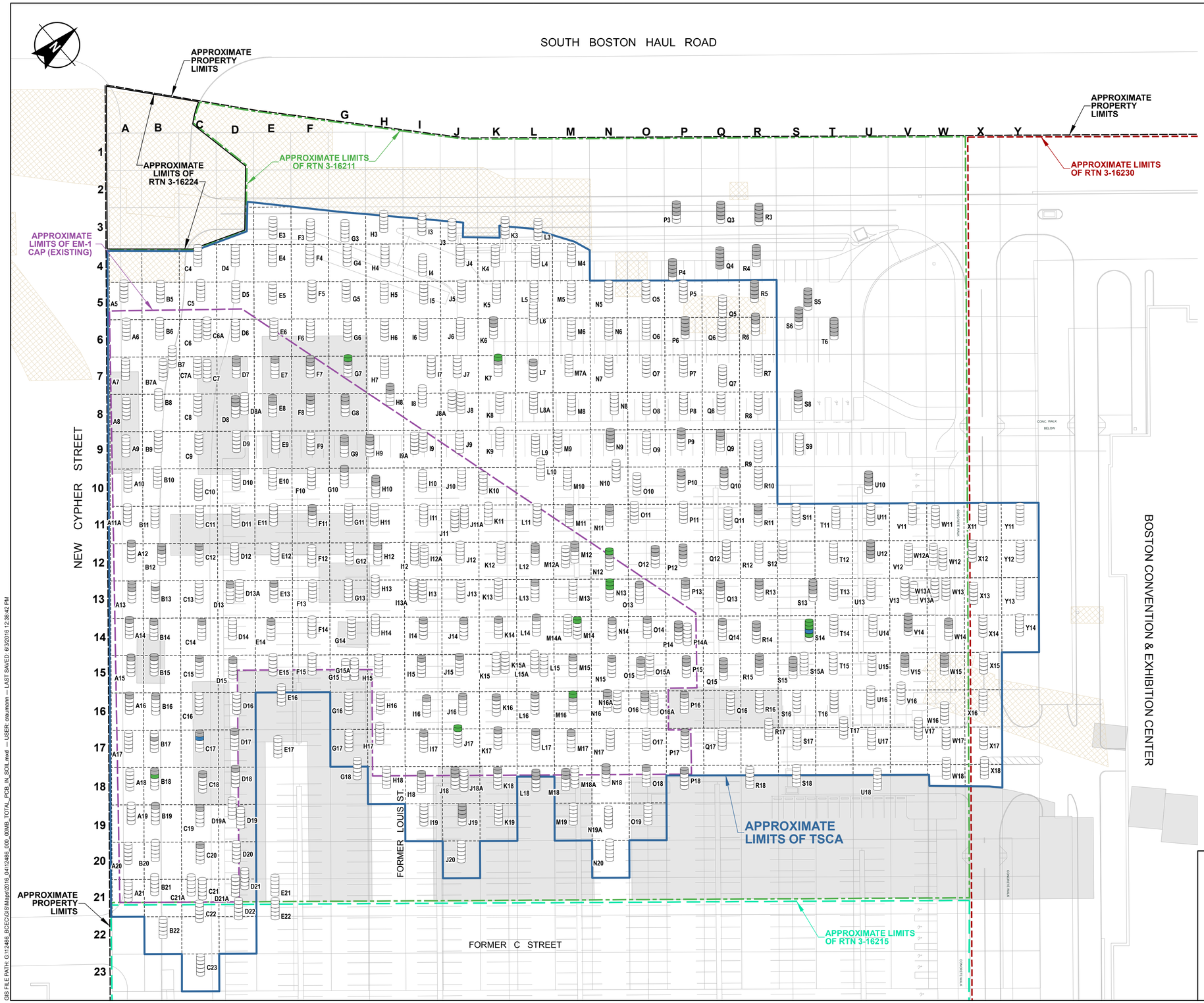
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

TOTAL PCB CONCENTRATION IN SOIL
EL. 8 TO EL. -2

JUNE 2016

FIGURE 11

GIS FILE PATH: G:\12486_BCEC\GIS\Maps\2016_04\12486_000_00MB_TOTAL_PCB_IN_SOIL.mxd — USER: craumann — LAST SAVED: 6/3/2016 12:38:30 PM



LEGEND

TOTAL PCB CONCENTRATION (PPM)

- NON-DETECT
- ≤ 1
- > 1 TO ≤ 50
- > 50 TO ≤ 100
- > 100 TO ≤ 500
- > 500
- INTERVAL NOT SAMPLED

APPROXIMATE SAMPLE ELEVATION INTERVALS (FEET)

- -2 TO -4
- -4 TO -6
- -6 TO -8
- -8 TO -10
- -10 TO -12

APPROXIMATE LOCATION OF FORMER

AREA OF PCB-IMPACTED SOIL REMEDIATION TO <50 PPM BETWEEN 1992 AND 2000

SAMPLING KEY
NOT TO SCALE

ASPHALT PARKING LOT (ELEVATION VARIES)
SEE FIGURE 9
FORMER GROUND SURFACE (ELEVATION VARIES)
SEE FIGURE 10
SEE FIGURE 11
DATA ON THIS PLAN REFERS TO THIS INTERVAL

NOTES

1. SAMPLE LOCATIONS ARE APPROXIMATE AND SYMBOLS ARE NOT TO SCALE.

2. DATA SHOWN FOR DISPLAY PURPOSES ONLY. ACTUAL SAMPLE ELEVATIONS MAY VARY. REFER TO TABLES III AND IV OF THE TSCA WORK PLAN FOR DETAILS OF SAMPLE COLLECTION AND ANALYSIS.

0 40 80 120 160
SCALE IN FEET

HALEY ALDRICH

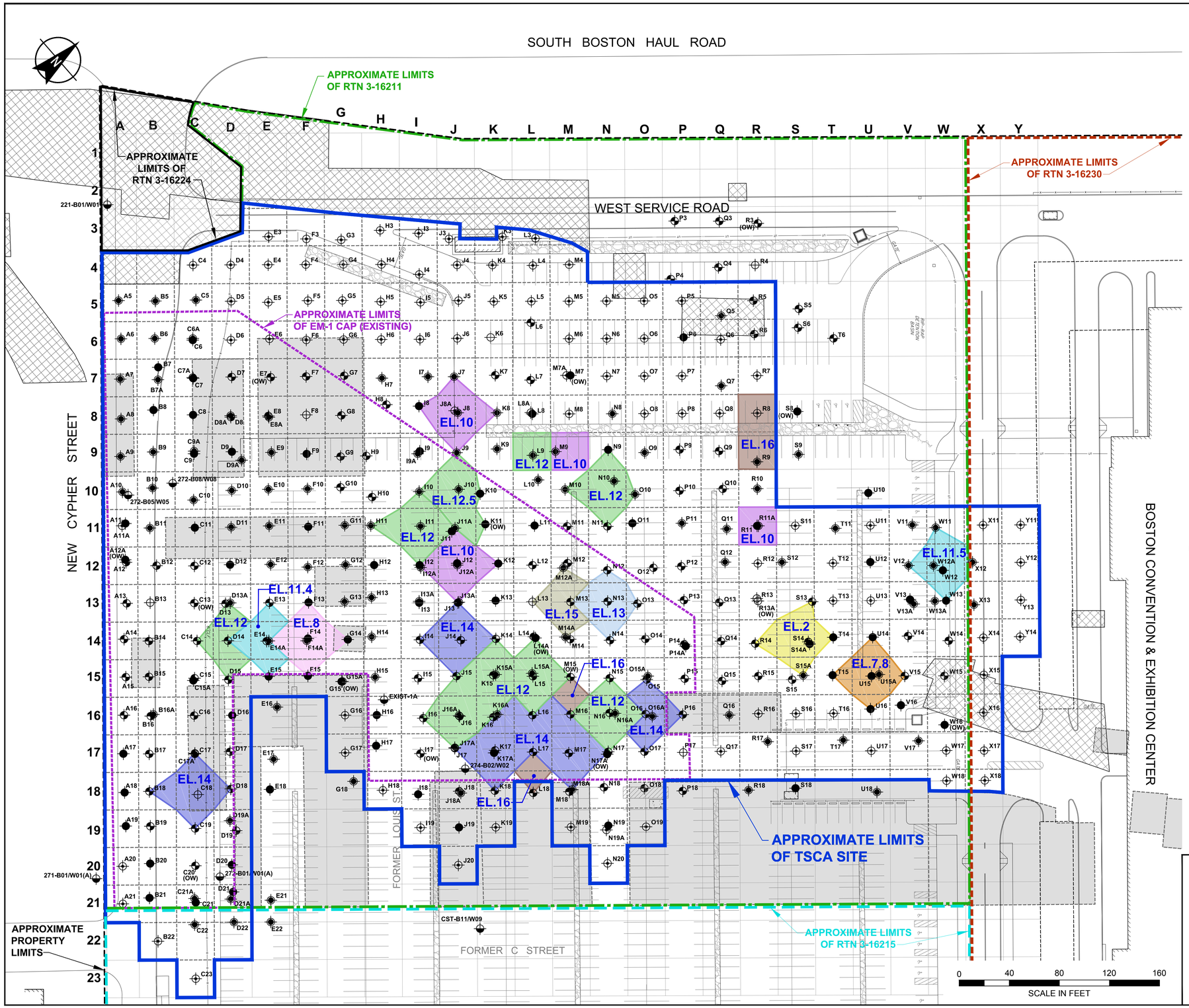
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

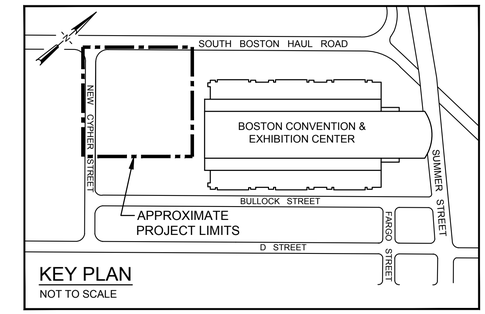
TOTAL PCB CONCENTRATION IN SOIL
EL. -2 TO EL. -12

JUNE 2016

FIGURE 12

GIS FILE PATH: G:\12486_BCEC\GIS\Maps\2016_04\12486_000_00MB_TOTAL_PCB_IN_SOIL.mxd — USER: craumann — LAST SAVED: 6/3/2016 12:38:42 PM





KEY PLAN

NOT TO SCALE

LEGEND

EL.12	APPROXIMATE LIMITS AND ELEVATION (IN FEET) OF PROPOSED BOTTOM OF EXCAVATION
R7	DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. FROM NOVEMBER THROUGH DECEMBER 2015
A10	DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. FROM JANUARY THROUGH MARCH 2015
B7	DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN DECEMBER 2010 AND JANUARY 2011
A13	DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN JUNE AND JULY 2010
B13	DESIGNATION AND APPROXIMATE LOCATION OF ENVIRONMENTAL/ GEOTECHNICAL TEST BORING CONDUCTED BY GEOLOGIC-EARTH EXPLORATION INC., NORFOLK, MASSACHUSETTS AND MONITORED BY HALEY & ALDRICH, INC. IN JUNE AND JULY 2010
EXIST-1A	DESIGNATION AND APPROXIMATE LOCATION OF OBSERVATION WELL INSTALLED BY OTHERS BETWEEN 1998 AND 2000
(OW)	INDICATES OBSERVATION WELL INSTALLED IN COMPLETED BOREHOLE
	APPROXIMATE LOCATION OF FORMER STRUCTURE
A 1	DESIGNATION AND APPROXIMATE LOCATION OF PRECHARACTERIZATION GRID (A1)
	AREA OF HISTORIC (1992-2000) PCB REMEDIATION

NOTES

1. BASE PLAN TAKEN FROM ELECTRONIC CAD FILE NAMED "V-XP EXISTING CONDITIONS.DWG", UNTITLED, UNDATED RECEIVED ON 16 MAY 2016, FROM TETRA TECH INC., OF MARLBOROUGH, MASSACHUSETTS.
2. LIMITS OF EM-1 CAP TAKEN FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON & SAMPSON ENGINEERS, INC.
3. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

HALEY ALDRICH

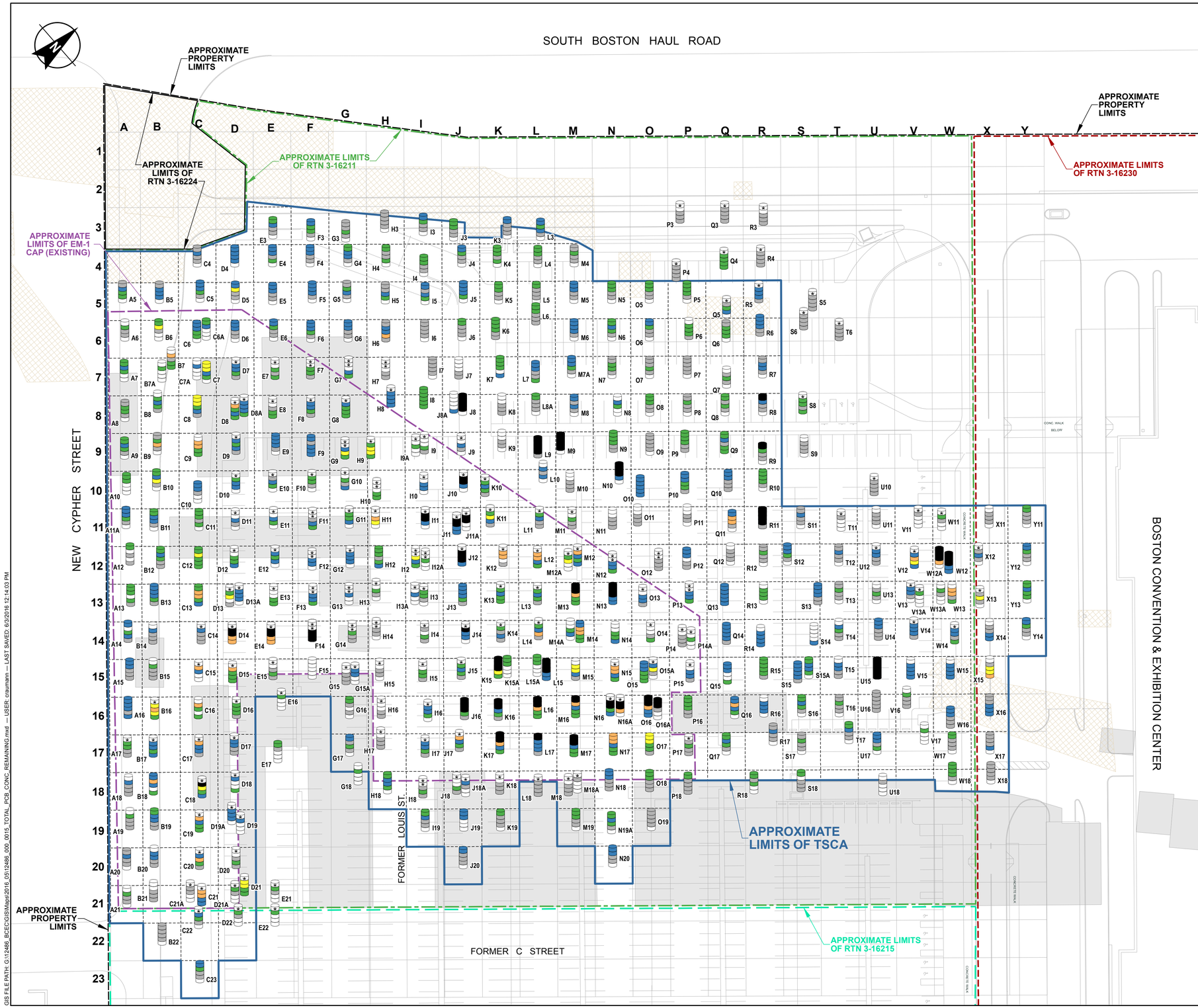
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

PROPOSED REMEDIAL EXCAVATION PLAN

SCALE: AS SHOWN
JUNE 2016

FIGURE 13

J:\GRAPHICS\12486\12486-585-D237.DWG



LEGEND

TOTAL PCB CONCENTRATION (PPM)

- NON-DETECT
- ≤ 1
- > 1 TO ≤ 50
- > 50 TO ≤ 100
- > 100 TO ≤ 500
- > 500
- INTERVAL NOT SAMPLED
- SOIL SAMPLE EXCAVATED FOR DISPOSAL
- INTERVAL ABOVE EM-1 CAP OR FORMER GROUND SURFACE

APPROXIMATE SAMPLE ELEVATION INTERVALS (FEET)

- EM-1 CAP OR FORMER GROUND SURFACE TO 16
- 16 TO 14
- 14 TO 12
- 12 TO 10
- 10 TO 8

- APPROXIMATE LOCATION OF FORMER STRUCTURE
- AREA OF PCB-IMPACTED SOIL REMEDIATION TO <50 PPM BETWEEN 1992 AND 2000

NOTES

1. SAMPLE LOCATIONS ARE APPROXIMATE AND SYMBOLS ARE NOT TO SCALE.
2. DATA SHOWN FOR DISPLAY PURPOSES ONLY. ACTUAL SAMPLE ELEVATIONS MAY VARY.
3. EXCAVATION AT S14 WILL OCCUR BETWEEN EL. 8 AND EL. 2 AND IS NOT SHOWN ON THIS PLAN.

0 40 80 120 160
SCALE IN FEET

HALEY ALDRICH

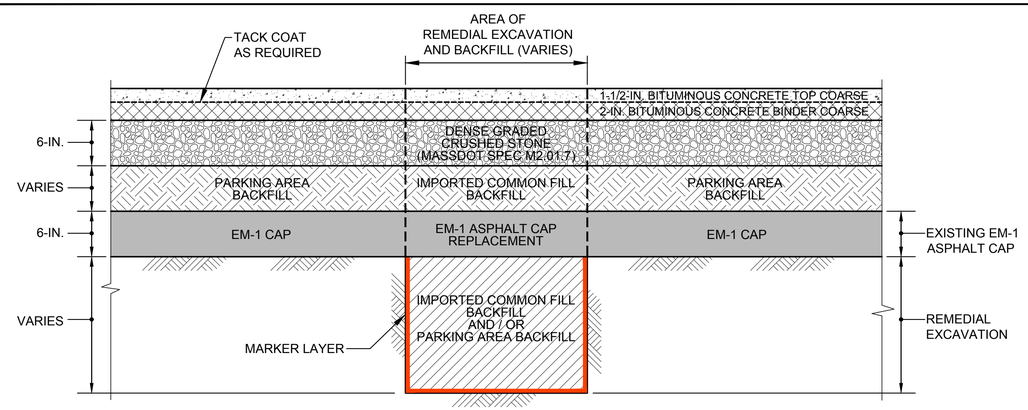
BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

TOTAL PCB CONCENTRATIONS REMAINING IN SOIL POST-REMEDIATION

JUNE 2016

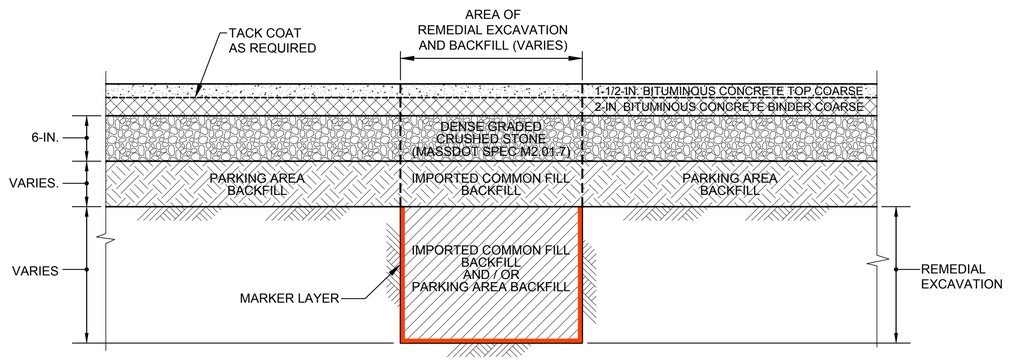
FIGURE 14

GIS FILE PATH: G:\12486_BCEC\GIS\Maps\2016_05\12486_000_0015_TOTAL_PCB_CONC_REMAINING.mxd — USER: craumann — LAST SAVED: 6/3/2016 12:14:03 PM



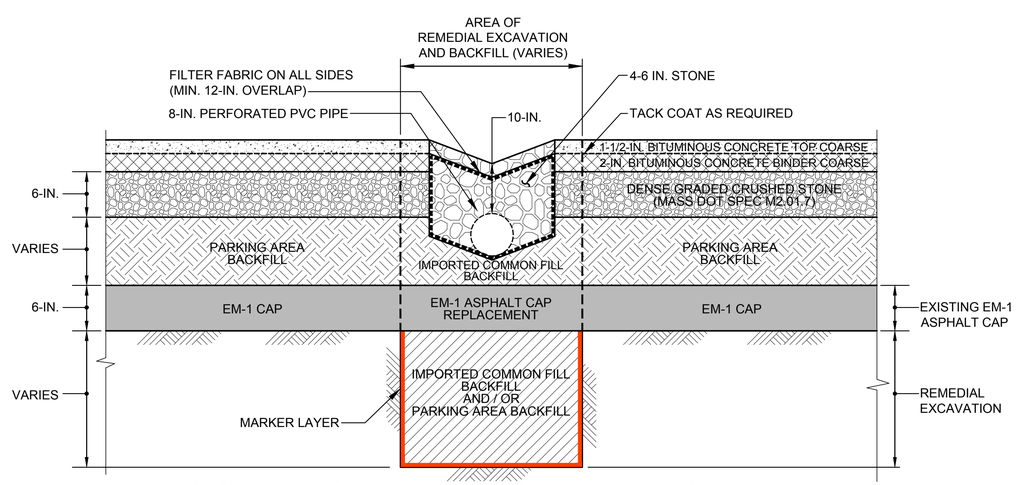
SECTION 1 - BACKFILL AT EM-1 AREA

NOT TO SCALE



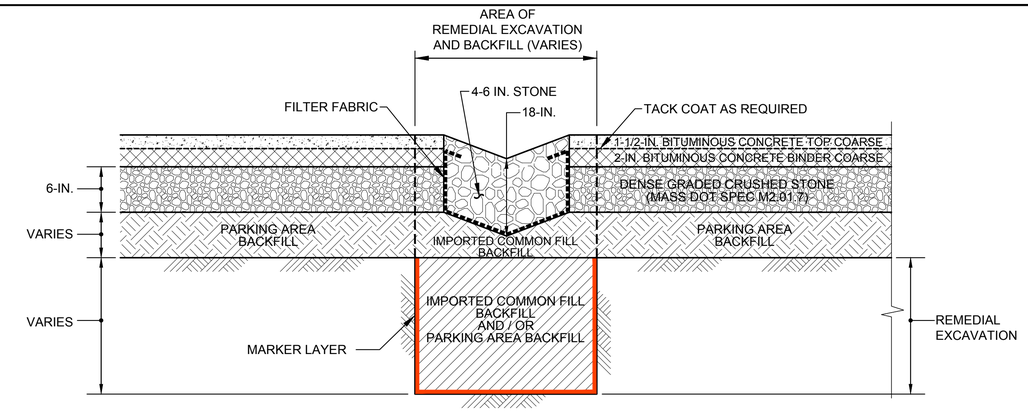
SECTION 2 - BACKFILL OUTSIDE OF EM-1 CAP AREA

NOT TO SCALE



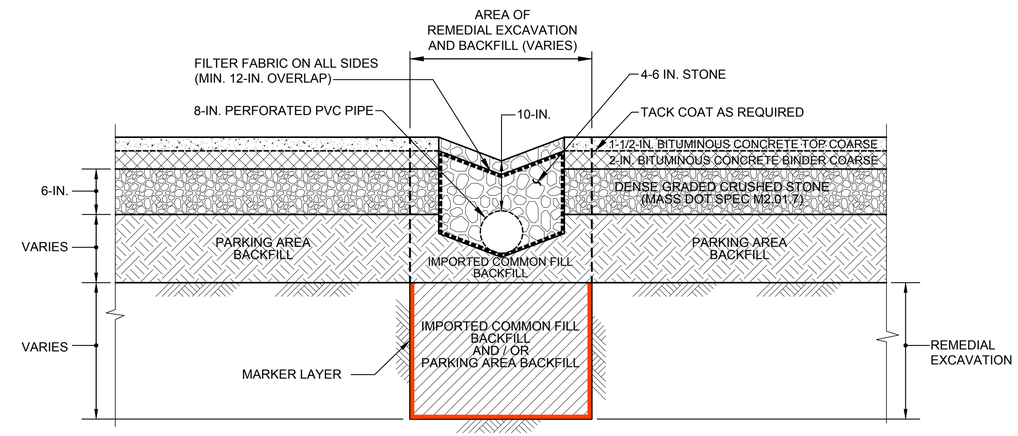
SECTION 3 - BACKFILL AT RIPRAP SWALE B IN EM-1 CAP AREA

NOT TO SCALE



SECTION 4 - BACKFILL AT SWALE A OUTSIDE OF EM-1 CAP AREA

NOT TO SCALE



SECTION 5 - BACKFILL AT SWALE B OUTSIDE OF EM-1 CAP AREA

NOT TO SCALE

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HALEY ALDRICH

BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

SCHEMATIC
CROSS-SECTIONS OF CAP

SCALE: NONE
JUNE 2016

FIGURE 15

APPROXIMATE LIMITS OF RTN 3-16211

APPROXIMATE PROPERTY LIMITS

APPROXIMATE LIMITS OF RTN 3-16224

ANTICIPATED SITE ACCESS ROAD

APPROXIMATE LIMITS OF RTN 3-16230

WEST SERVICE ROAD

ANTICIPATED LOCATION OF SUPPORT ZONE / STAGING AREA

ANTICIPATED LOCATION OF CONTAMINATION / REDUCTION ZONE

LIMITS OF EXCATION AREA (TYP.)

CONCEPTUAL EXCLUSION ZONE

NEW CYPHER STREET

ANTICIPATED LOCATION OF CONTAMINATION / REDUCTION ZONE

APPROXIMATE LIMITS OF EM-1 CAP (EXISTING)

BOSTON CONVENTION & EXHIBITION CENTER

FORMER LOUIS ST.

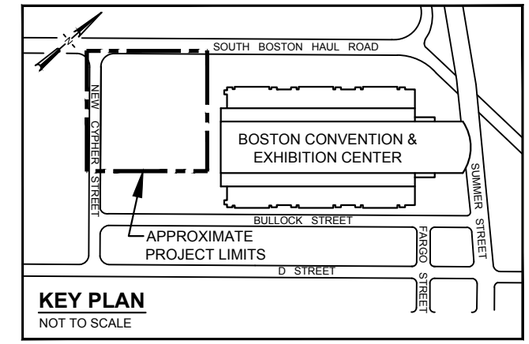
APPROXIMATE LIMITS OF TSCA SITE

APPROXIMATE LIMITS OF RTN 3-16215

FORMER C STREET

APPROXIMATE PROPERTY LIMITS

ANTICIPATED SITE ACCESS ROAD



KEY PLAN
NOT TO SCALE

NOTES

1. BASE PLAN TAKEN FROM ELECTRONIC CAD FILE NAMED "V-XP EXISTING CONDITIONS.DWG", UNTITLED, UNDATED RECEIVED ON 16 MAY 2016, FROM TETRA TECH INC., OF MARLBOROUGH, MASSACHUSETTS.
2. LIMITS OF EM-1 CAP TAKEN FROM PLAN TITLED "BOSTON REDEVELOPMENT AUTHORITY, BOSTON CONVENTION AND EXHIBITION CENTER, MONITORING AND MAINTENANCE PLAN SAMPLING LOCATIONS", DATED OCTOBER 2000 BY WESTON & SAMPSON ENGINEERS, INC.
3. ELEVATIONS ARE IN FEET AND REFER TO BOSTON CITY BASE DATUM.

0 80 160
SCALE IN FEET

HALEY ALDRICH

BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
WEST OF C STREET
BOSTON, MASSACHUSETTS

SITE LOGISTICS PLAN

SCALE: AS SHOWN
JUNE 2016

FIGURE 16

MCELENEY, TERRI Printed: June 23, 2016 Layout: B236
Drawing: J:\GRAPHICS\12486\12486-585-B236.DWG

APPENDIX A

Correspondence

(Copy of Owner Certification Letter)

Owner's Certification – 40 CFR 761.61(a)(3)(i)(E)
TSCA Work Plan
Boston Convention & Exhibition Center
Phase 2, West of C Street
Boston, Massachusetts

The parties below certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination within the TSCA regulated areas at the Boston Convention & Exhibition Center Phase 2, West of C Street Site are on file at the offices of Haley & Aldrich, Inc., 465 Medford Street, Suite 2200, Boston, MA 02129, and are available for EPA inspection upon request.

Massachusetts Convention Center Authority (Owner):

Jim C. Rodd

Name, as (TITLE) and not individually

Jan 23, 2016

Date

Assistant Counsel.

Title

APPENDIX B

Subsurface Exploration Logs and Monitoring Well Installation Reports

(Provided Electronically on CD/DVD)

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. C13(OW)
Boring No. C13(OW)

Project BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller J. Galvin

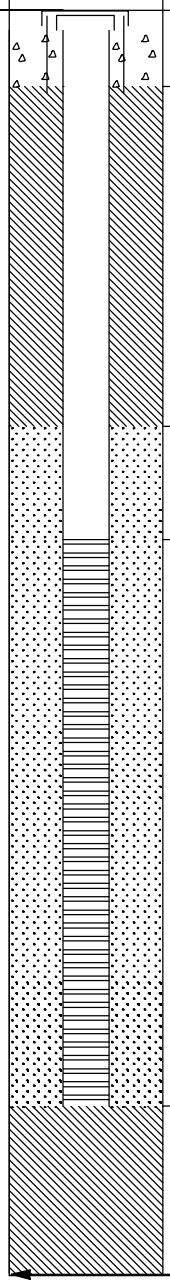
Initial Water Level (depth bgs) 2.5 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-515
Date Installed 1 Jul 2010
H&A Rep. O. Lawlor
Location See Plan

Ground El. 21.0
Datum BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
GRAVEL	0.5			0.0	21.0
FILL				1.0	20.0
ASPHALT	2.5 / 3.0			7.0	14.0
HYDRAULIC FILL				9.0	12.0
HYDRAULIC FILL	18.5			19.0	2.0
	22.0			22.0	-1.0



WELL CONSTRUCTION DETAILS

Type of protective cover: Compression - pent. bolt
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.3 ft
Type of protective casing: Roadway Box
Length: 0.8 ft
Inside diameter: 4.0 in.
Depth of bottom of Roadway Box: 0.8 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 9.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite	1.0	6.0
	19.0	3.0

Diameter of borehole: 4.0 in.
Depth to top of well screen: 9.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: Filter Sand
Depth to bottom of well screen: 19.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 22.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. C20(OW)
Boring No. C20(OW)

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location: BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.
Driller: R. Eastwood
Initial Water Level (depth bgs): ft

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

File No. 12486-515
Date Installed 13 Jul 2010
H&A Rep. D. Crawford
Location See Plan
Ground El. 20.6
Datum BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	20.6
PROCESSED GRAVEL	0.6				
FILL				2.5	18.1
				4.0	16.6
ASPHALT CAP	5.5 / 6.1			6.0	14.6
				8.0	12.6
				18.0	2.6
				18.5	2.1
HYDRAULIC FILL					
ORGANIC	24.0 / 24.6			24.6	-4.0

WELL CONSTRUCTION DETAILS

Type of protective cover	Lock
Height of Guard Pipe above ground surface	2.5 ft
Height of top of riser above ground surface	2.4 ft
Type of protective casing	Guard Pipe
Length	5.0 ft
Inside diameter	4.0 in.
Depth of bottom of Guard Pipe	2.5 ft
Type of riser pipe	Schedule 40 PVC
Inside diameter of riser pipe	2.0 in.
Depth of bottom of riser pipe	8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.5
Bentonite	4.0	2.0
Bentonite	18.0	0.5

Diameter of borehole	4.0 in.
Depth to top of well screen	8.0 ft
Type of screen	Machine slotted Sch 40 PVC
Screen gauge or size of openings	0.010 in.
Diameter of screen	2.0 in.
Type of Backfill around Screen	Filter Sand
Depth to bottom of well screen	18.0 ft
Bottom of silt trap	-
Depth of bottom of borehole	24.6 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. E7(OW)
Boring No. E7(OW)

Project BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller J. Galvin

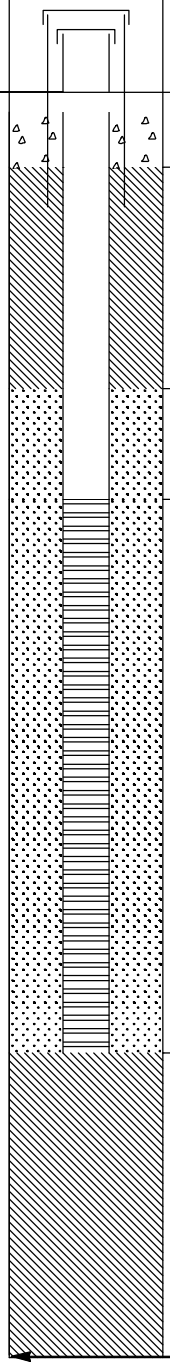
Initial Water Level (depth bgs) 10.7 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-515
Date Installed 29 Jun 2010
H&A Rep. O. Lawlor
Location See Plan

Ground El. 18.5
Datum BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	18.5
GRAVEL	0.5			1.0	17.5
FILL					
ASPHALT	2.0 / 2.4				
				5.0	13.5
				7.0	11.5
HYDRAULIC FILL				17.0	1.5
	22.5			22.5	-4.0



WELL CONSTRUCTION DETAILS

Type of protective cover	Lock
Height of Guard Pipe above ground surface	2.0 ft
Height of top of riser above ground surface	2.7 ft
Type of protective casing	Guard Pipe
Length	5.0 ft
Inside diameter	4.0 in.
Depth of bottom of Guard Pipe	3.0 ft
Type of riser pipe	Schedule 40 PVC
Inside diameter of riser pipe	2.0 in.
Depth of bottom of riser pipe	7.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite	1.0	4.0
	-	-

Diameter of borehole	4.0 in.
Depth to top of well screen	7.0 ft
Type of screen	Machine slotted Sch 40 PVC
Screen gauge or size of openings	0.010 in.
Diameter of screen	2.0 in.
Type of Backfill around Screen	Filter Sand
Depth to bottom of well screen	17.0 ft
Bottom of silt trap	-
Depth of bottom of borehole	22.5 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. I17(OW)
Boring No. I17(OW)

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location: BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.
Driller: R. Eastwood
Initial Water Level (depth bgs): 7.4 ft

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

File No. 12486-515
Date Installed 22 Jul 2010
H&A Rep. D. Crawford
Location See Plan
Ground El. 20.3
Datum BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	20.3
BITUMINOUS ASPHALT	0.3			1.0	19.3
FILL					
ASPHALT CAP	4.3 / 4.6			5.0	15.3
				7.0	13.3
				8.0	12.3
FILL					
	14.3				
				18.0	2.3
HYDRAULIC FILL				19.3	1.0
	24.3			24.3	-4.0

WELL CONSTRUCTION DETAILS

Type of protective cover: Hex Bolt
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.3 ft
Type of protective casing: Roadway Box
Length: 1.0 ft
Inside diameter: 8.0 in.
Depth of bottom of Roadway Box: 1.0 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite	5.0	2.0
	-	-

Diameter of borehole: 4.0 in.
Depth to top of well screen: 8.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: Filter Sand
Depth to bottom of well screen: 18.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 24.3 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

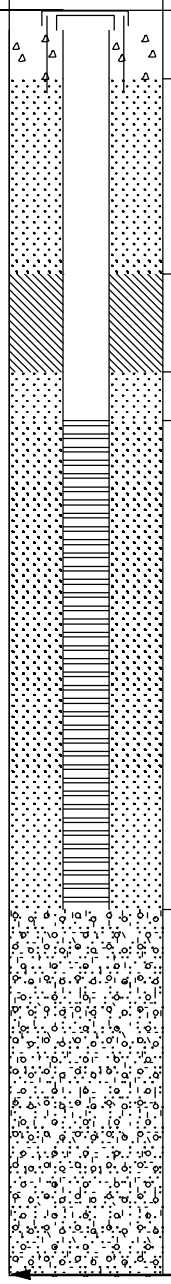
Well No. M15(OW)
Boring No. M15(OW)

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location: BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.
Driller: D. Sheldon
Initial Water Level (depth bgs): 7.4 ft

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

File No. 12486-515
Date Installed 12 Jul 2010
H&A Rep. B. Babcock
Location
Ground El. 19.5
Datum BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	19.5
ASPHALT	0.5			1.0	18.5
ASPHALT CAP	2.5 / 3.0				
				5.0	14.5
				7.0	12.5
				8.0	11.5
HYDRAULIC FILL				18.0	1.5
ORGANIC DEPOSITS	23.5 / 25.5			25.5	-6.0



WELL CONSTRUCTION DETAILS

Type of protective cover: Bolted - 9/16" hex.
Depth of Roadway Box below ground surface: 0.0 ft
Height of top of riser above ground surface: 0.4 ft
Type of protective casing: Roadway Box
Length: 1.5 ft
Inside diameter: 8.0 in.
Depth of bottom of Roadway Box: 1.5 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite	5.0	2.0
	-	-

Diameter of borehole: 4.0 in.
Depth to top of well screen: 8.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: Filter Sand
Depth to bottom of well screen: 18.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 25.5 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. R3(OW)
Boring No. R3(OW)

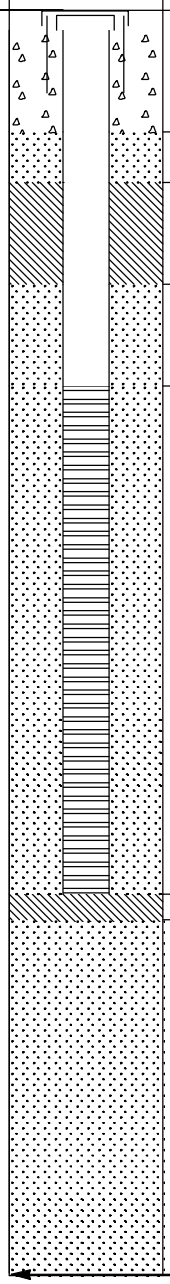
Project BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller R. Eastwood
Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-515
Date Installed 8 Jul 2010
H&A Rep. D. Crawford
Location See Plan

Ground El. 14.6
Datum BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	14.6
ASPHALT	1.0				
				2.0	12.6
				3.0	11.6
				5.0	9.6
				7.0	7.6
FILL	12.4				
				17.0	-2.4
				17.5	-2.9
HYDRAULIC FILL	23.5				
ORGANIC	24.5			24.5	-9.9



WELL CONSTRUCTION DETAILS

Type of protective cover: Compression Cover
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.3 ft
Type of protective casing: Roadway Box
- Length: 1.5 ft
- Inside diameter: 8.0 in.
- Depth of bottom of Roadway Box: 1.5 ft

Type of riser pipe: Schedule 40 PVC
- Inside diameter of riser pipe: 2.0 in.
- Depth of bottom of riser pipe: 7.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	2.0
Bentonite	3.0	2.0
Bentonite	17.0	0.5

Diameter of borehole: 4.0 in.
Depth to top of well screen: 7.0 ft
- Type of screen: Machine slotted Sch 40 PVC
- Screen gauge or size of openings: 0.010 in.
- Diameter of screen: 2.0 in.
- Type of Backfill around Screen: Filter Sand
- Depth to bottom of well screen: 17.0 ft

Bottom of silt trap: -
Depth of bottom of borehole: 24.5 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

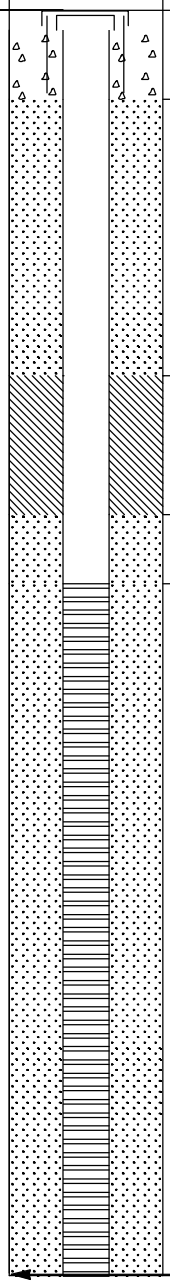
Well No. R13(OW)
Boring No. R13(OW)

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2
Location: BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.
Driller: D. Sheldon
Initial Water Level (depth bgs): ft

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

File No. 12486-515
Date Installed: 8 Jul 2010
H&A Rep.: B. Babcock
Location: See Plan - 5.0 ft S of R13-A
Ground El.: 17.5
Datum: BCB

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	17.5
				1.0	16.5
				5.0	12.5
				7.0	10.5
				8.0	9.5
UNSAMPLED - SEE TEST BORING LOG R13-A FOR OVERBURDEN DETAILS					
	18.0			18.0	-0.5



WELL CONSTRUCTION DETAILS

Type of protective cover	Compression Cover
Depth of Roadway Box below ground surface	0.0 ft
Depth of top of riser below ground surface	0.3 ft
Type of protective casing	Roadway Box
Length	1.0 ft
Inside diameter	8.0 in.
Depth of bottom of Roadway Box	1.0 ft
Type of riser pipe	Schedule 40 PVC
Inside diameter of riser pipe	2.0 in.
Depth of bottom of riser pipe	8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite	5.0	2.0
	-	-

Diameter of borehole	4.0 in.
Depth to top of well screen	8.0 ft
Type of screen	Machine slotted Sch 40 PVC
Screen gauge or size of openings	0.010 in.
Diameter of screen	2.0 in.
Type of Backfill around Screen	Filter Sand
Depth to bottom of well screen	18.0 ft
Bottom of silt trap	-
Depth of bottom of borehole	18.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 13, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A12

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start July 19, 2010
Finish July 19, 2010
Driller J. Galvin
H&A Rep. B. Babcock
Elevation 18.0
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
	59* 46 83	S1 17	0.5 2.0	17.1 0.9	SW-SM	S1 bottom: Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist, top 5.0 in. asphalt, trace brick, concrete, ash PID = 0.0 ppm	5	10	20	30	25	10				
	100/2"	S2 2	2.0 2.2	15.8 2.2	SW-SM	S2: Similar to above -FILL- PID = 0.0 ppm Note: Approximate former ground surface. -PROBABLE ASPHALT CAP-	5	10	20	25	30	10				
	6* 4 4 4	S3 10	4.0 6.0	14.0 4.0	SM	Medium dense dark gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace ash, cinder, brick, metal PID = 0.0 ppm	5	10	10	20	35	20				
5	9 12 10 6	NR 0	6.0 8.0			Note: No recovery. Brick lodged in tip of spoon. -FILL-										
	5* 4 4 5	S4 14	8.0 10.0		SM	Similar to above except loose, 30% ash, brick, cinder, miscellaneous debris PID = 0.0 ppm	5	10	10	20	35	20				
10	4 2 1 1	S5 3	10.0 12.0		SM	Similar to above except very loose PID = 0.0 ppm		15	10	20	35	20				
	3 2 3 3	S6 4	12.0 14.0		SM	Similar to above PID = 0.0 ppm	5	10	10	20	35	20				
15	3 3 3 2	S7 6	14.0 16.0	4.0 14.0	OL/OH	Medium stiff dark brown sandy ORGANIC SOIL (OL/OH), mps 0.5 in., faint petroleum-like odor, wet, trace cinders, brick, reworked PID = 2.3 ppm -HYDRAULIC FILL-		5	5	10	15	65				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/19/10	1015	0.5	14.0	22.0	4.2*

*Not stabilized

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 18.0
Rock Cored (ft) -
Samples S10

Boring No. A12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A12

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 4 3 3	S8 12	16.0 18.0		CL	Medium stiff gray lean CLAY with sand (CL) intermixed with silt and organic soil, mps 0.5 in., no odor, wet, trace cinders PID = 0.2 ppm		5	5	5	5	80				
	1*/12" 1 1	S9 20	18.0 20.0		CL	Similar to above except soft PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
20	1 3 4 4	S10 16	20.0 22.0	-2.0 20.0	OL/ OH	Medium stiff brown ORGANIC SOIL (OL/OH), mps <1 mm, organic odor, wet, occasional pockets of peat, trace shells, plant fibers PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 22.0		BOTTOM OF EXPLORATION 22.0 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. A12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 19, 2010
Finish	July 19, 2010
Driller	J. Galvin
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0		-ASPHALT-										
	3* 18	S1 10	0.5 1.5	0.5	SW-SM	Dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0 ppm	5	10	15	20	40	10				
	31 89 38 17	S2 12	1.5 3.5		SW-SM	Similar to above except very dense PID = 0.0 ppm	5	10	20	20	35	10				
						-FILL- Note: Probable former ground surface.										
	6* 6 8 8	NR 0	3.5 5.5	14.0 3.5		Note: No recovery. 6.0 in. of coarse to fine gravel in wash in spoon.										
5	2* 3 3 3	S3 12	5.5 7.5		SM	Medium dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 25% cinders, ash, slag, brick PID = 0.0 ppm	5	10	15	20	30	20				
	14 12 8 5	S4 12	7.5 9.5		SM	Similar to above PID = 0.0 ppm -FILL-	5	10	15	20	30	20				
10	4* 4 6 4	S5 10	9.5 11.5		SM	Similar to above except loose PID = 0.0 ppm	5	10	15	20	30	20				
	5 1 2 1	S6 6	11.5 13.5		SM	Similar to above except very loose PID = 0.0 ppm	5	10	15	20	30	20				
15	2* 2 3 3	S7 6	13.5 15.5		SM	Similar to above except loose PID = 0.0 ppm	5	10	15	20	30	20				
	3 4 4 4	NR 0	15.5 17.5	2.0 15.5		Note: No recovery. -HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/19/10	1330	0.25	19.0	25.5	4.2*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.5
Rock Cored (ft)	-
Samples	S10

Boring No. A13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A13

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3* 1 2 2	NR 0	17.5 19.5			Note: No recovery. Trace organic soil, shells in tip of spoon. -HYDRAULIC FILL-										
20	4 2 3 3	S8 10	19.5 21.5		OL/ OH	Medium stiff brown with gray ORGANIC SOIL with sand (OL/OH) intermixed with clay and silt, mps 0.25 in., faint organic odor, wet, trace cinders, reworked PID = 0.0 ppm			5	5	10	80				
				-4.0 21.5												
	1* 1 2 1	S9 12	21.5 23.5		OL/ OH	Soft brown ORGANIC SOIL (OL/OH), mps <1 mm, no structure, no odor, wet, trace shells, peat PID = 0.0 ppm						100				
25	2 1 2 2	S10 12	23.5 25.5		OL/ OH	Similar to above except frequent pockets of peat PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-8.0 25.5		BOTTOM OF EXPLORATION 25.5 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A14

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start July 20, 2010
Finish July 20, 2010
Driller J. Galvin
H&A Rep. B. Babcock
Elevation 18.0
Datum BCB
Location

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
				17.2 0.8												
	4* 28	S1 8	1.0 2.0		SW-SM	Very dense gray-brown well graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm	10	10	10	15	45	10				
						-FILL-										
	100/5"	S2 4	2.0 2.4	15.6 2.4	SW-SM	Similar to above PID = 0.0/0.0 ppm	10	10	10	15	45	10				
						Note: Approximate former ground surface.										
						-POSSIBLE ASPHALT EM-1 CAP-										
				14.4 3.6												
	17* 8 6 9	S3 12	4.0 6.0		SM	Medium dense dark gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 30% ash, cinder, wood, brick, slag PID = 0.0/0.0 ppm	5	10	10	15	40	20				
5						-FILL-										
	50 19 9 10	S4 6	6.0 8.0		SM	Similar to above PID = 0.0/0.0 ppm	5	10	10	15	40	20				
	4* 3 5 4	S5 12	8.0 10.0		SM	Similar to above except loose PID = 0.0/0.0 ppm	5	10	10	15	30	30				
10	3* 1 1/12"	S6 10	10.0 12.0		SM	Similar to above except very loose PID = 0.0/0.0 ppm	5	10	10	15	30	30				
						-FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/20/2010	1230	0.5	19.0	22.0	8.4

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 22.0
Rock Cored (ft) -
Samples S11

Boring No. A14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1/12" 1	S7 4	12.0 14.0		SM	Similar to above										
				4.0 14.0												
15	1* 1 1 1	S8 12	14.0 16.0		OL/ OH	Very soft brown with black ORGANIC SOIL with sand (OL-OH), mps 0.25 in., reworked, faint petroleum odor, wet, 10% peat, trace cinders PID = 0.0/1.3 ppm -HYDRAULIC FILL-				10	10	80				
	3 3 3 5	S9 12	16.0 18.0		OL/ OH	Similar to above except medium stiff, intermixed with silt, trace peat PID = 0.0/0.6 ppm				5	15	80				
	1/12* 2 2	S10 10	18.0 20.0		OL/ OH	Similar to above except soft PID = 0.0/0.0 ppm				5	15	80				
20	5 3 3 3	S11 20	20.0 22.0	-2.0 20.0	OL/ OH	Medium stiff brown ORGANIC SOIL (OL-OH), mps <1 mm, no structure, strong organic odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 22.0		BOTTOM OF EXPLORATION 22.0 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 19, 2010
Finish	July 19, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.7
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
				17.0 0.7												
	16 28	S1 12	0.7 1.7		SP SM	S1 top 4.0 in.: Medium dense gray poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10 5	10 10	20 5	35 25	20 30	5 25				
	10 8 9 9	S2 14	1.7 3.7		ML	S1 bottom 8.0 in.: Medium dense dark brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 10% wood pieces and fragments, with glass, rubber and crushed brick S2: Medium dense dark brown sandy SILT (ML), mps 0.75 in., no structure, no odor, moist, with glass, rubber and wood fragments, and crushed brick PID = 0.0/0.0 ppm		10		10	25	55				
	6 5 100/3"	S3 8	3.7 5.0		SM	Medium dense gray-brown silty SAND (SM), mps 0.5 in., no structure, slightly smoky odor, moist, 10% cinders and ash, with crushed brick, glass and wood fragments PID = 0.0/4.3 ppm		5	20	25	20	30				
5						Note: Drilled through obstruction from 4.5 to 5.7 ft; cuttings indicated boulder.										
	7 7 9 7	S4 12	5.7 7.7		SM	Medium dense dark brown silty SAND (SM), mps 0.5 in., no structure, smoky odor, moist to wet, 30% cinders and ash, 10% crushed brick, with glass, ceramic and wood fragments PID = 0.0/0.0 ppm		5	25	35	15	20				
	5 5 4 33	S5 10	7.7 9.7		SM	Similar to above except 20% cinders and ash, with rubber PID = 0.0/0.0 ppm		5	20	35	20	20				
						-FILL-										
10	2 2 2 2	S6 2	9.7 11.7			Mostly wash material including gray silty SAND, glass, crushed brick, ceramic and wood fragments, wet Note: Overdrove 3-in. spoon. No recovery.										
	2 2 2 2	S7 5	11.7 13.7		SP	Very loose gray-brown poorly graded SAND with silt (SP), mps 0.5 in., no structure, no odor, wet, 10% cinders and ash, with crushed brick, glass and wood fragments PID = 0.0/0.0 ppm		5	15	35	35	10				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.7
Rock Cored (ft)	-
Samples	S11

Boring No. A15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 1 2 2	S8 6	13.7 15.7		SP	S8 top 3.0 in.: Similar to above except mps 0.25 in., with slag PID = 0.0/0.0 ppm -FILL-		5	10	35	35	10				
15				2.3 15.4	ML CL	S8 bottom 3.0 in.: Very soft olive-gray to gray SILT with sand (ML), mps <2 mm, no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm			5	5	10	80				
	1 1 1 1	S9 9	15.7 17.7		ML	S9 top 5.0 in.: Very soft olive-gray sandy lean CLAY (CL), mps <1 mm, no structure, slight organic odor, wet PID = 0.0/0.0 ppm S9 bottom 4.0 in.: Soft black SILT with organics (ML), mps <1 mm, no structure, petroleum-like odor, wet, with glass PID = 0.0/3.1 ppm					5	95				
	WOH/12" 1 1	S10 8	17.7 19.7		ML	S10: Soft gray SILT with sand (ML), mps <1 mm, no structure, no odor, wet, with shell fragments PID = 0.0/1.5 ppm -HYDRAULIC FILL-					15	85				
20	WOH/18" 1	S11 10	19.7 21.7		CL	S11 top 3.0 in.: Very soft olive-gray lean CLAY with organics (CL), mps <2 mm, no structure, slight petroleum-like odor, wet, with shell fragments PID = 0.0/0.0 ppm			5		5	90				
				-3.3 21.0 -4.0 21.7	OL/ OH	S11 bottom 7.0 in.: Very soft olive-brown ORGANIC CLAY (OL) with frequent pockets of PEAT (PT), mps <1 mm, distinct organic odor -ORGANIC DEPOSITS-					5	95				

BOTTOM OF EXPLORATION 21.7 FT

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. A15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 20.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 19, 2010
Finish	July 19, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.5
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
				16.5 1.0												
	44	S1 5	1.0 1.5		SP SM	S1 top 3.0 in.: Dense gray poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10 10	30 15	30 25	20 30	5 25				
	12 19 32 19	S2 12	1.5 3.5		SM	S1 bottom 2.0 in.: Dense dark brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, with crushed brick and glass S2: Very dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 20% wood pieces and fragments, with crushed brick and metal PID = 0.0/0.0 ppm	5	15	5	20	35	20				
	21 24 29 26	S3 13	3.5 5.5		SM	Similar to above except wood with pieces of copper and plastic PID = 0.0/0.0 ppm	5	10	15	20	30	20				
5						-FILL-										
	10 7 9 8	S4 14	5.5 7.5		ML/ SM	Medium dense sandy SILT (ML) interbedded with silty SAND (SM), mps 0.75 in., no structure, slightly smoky odor, moist, 10% cinders and ash with wood fragments, with crushed brick, glass and slag PID = 0.0/0.0 ppm		5	5	10	30	50				
	5 4 5 5	S5 12	7.5 9.5		SP	Loose gray-brown poorly graded SAND (SP), mps 0.5 in., no structure, smoky odor, wet, 40% cinders and ash, with crushed brick, ceramic and slag PID = 0.0/0.0 ppm		10	15	35	35	5				
10	2 2 2 2	S6 3	9.5 11.5		SM	Mainly wash, including gray silty SAND (SM), crushed brick, shell fragment, slag and wood fragment Note: Overdrove 3-in. spoon; same as above. PID = 0.0/0.0 ppm										
	1 1 1 1	S7 3	11.5 13.5		SP	Very loose gray-brown poorly graded SAND (SP), mps 0.25 in., no structure, smoky odor, wet, 25% cinders and ash, with crushed brick and slag, with wood fragments PID = 0.0/0.0 ppm		5	25	40	25	5				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.5
Rock Cored (ft)	-
Samples	S11

Boring No. A16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 3 3 2	S8 12	13.5 15.5		SP	S8 top 3.0 in.: Similar to above except mps 0.50, and 10% cinders and ash PID = 0.0/0.0 ppm -FILL-		5	30	40	20	5				
				2.8 14.7	ML	S8 bottom 9.0 in.: Loose dark gray SILT with sand (ML), mps 0.5 in., no structure, slight petroleum-like odor, wet, with wood fragments, slag and glass PID = 0.0/3.1 ppm		5		5	10	80				
15	2 3 2 1	S9 18	15.5 17.5		ML	S9: Loose gray SILT with sand (ML) interbedded with gray silt, mps <1 mm, no structure, slight petroleum-like odor, wet, with shell fragment PID = 0.0/5.7 ppm				5	10	85				
	1 2 2 2	S10 10	17.5 19.5		ML/ CL	Loose to medium stiff gray SILT (ML) interbedded with lean CLAY (CL), mps <1 mm, no structure, no odor, wet, with shell fragments, glass PID = 0.0/0.2 ppm				5	5	90				
20	2 3 3 4	S11 22	19.5 21.5		ML/ CL	Similar to above except organic odor and occasional pockets of peat, with glass PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5	5	90				
				-4.0 21.5		BOTTOM OF EXPLORATION 21.5 FT										

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. A16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 14, 2010
Finish	July 14, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	18.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: PID not used due to rain

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-ASPHALT-										
				0.5		Note: Approximate former ground surface.										
	78 65 102	S1 14	0.5 2.0	17.2 0.8	SP	-ASPHALT CAP-	10	15	25	35	10	5				
					ML	S1 middle 4.0 in.: Very dense gray poorly graded SAND with gravel (SP), mps 1.5 in., no structure, no odor, moist, with crushed brick and glass	10	10	5	5	20	50				
	42 55 39 20	S2 16	2.0 4.0		SP	S1 bottom 6.0 in.: Very dense olive-gray sandy SILT with gravel (ML), mps 1.5 in., no structure, no odor, moist, with crushed brick and glass	5	15	30	30	15	5				
					SM	S2 top 6.0 in.: Dense gray poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist, 30% crushed brick, with glass, metal and plastic		5	5	25	35	30				
	9 7 4 6	S3 3	4.0 6.0			S2 bottom 10.0 in.: Very dense dark brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, 20% cinders and ash, with glass, ceramic and plastic S3: Wood pieces in a dark brown sand matrix Note: Overdrove 3-in. spoon; recovery: pieces of wood and wood fragments.										
5																
	3 3 3 3	S4 14	6.0 8.0		SM	Loose dark brown silty SAND (SM), mps 0.75 in., no structure, smoky odor, moist, 20% cinders and ash, with crushed brick, ceramic, glass and slag		10	10	10	35	25				
	5 8 3 3	S5 9	8.0 10.0		ML	Medium dense dark gray to black sandy SILT (ML), mps 1.0 in., no structure, smoky odor, wet, 50% cinders and ash, with crushed brick and shell fragments, with ceramic and glass	5	5	10	15	15	50				
10	3 3 4 4	S6 10	10.0 12.0		ML	Similar to above except loose, mps 0.75 in.		5	5	20	20	50				
						-FILL-										
	3 3 3 3	S7 9	12.0 14.0		ML	Similar to above except 60% cinders and ash										
				4.0 14.0												
15	1 2 7 7	S8 14	14.0 16.0		CL-ML	Medium stiff olive-gray lean CLAY (CL) interbedded with black SILT with organics (ML), mps 1.5 in., no structure, slight organic odor, wet, 1.5-in. piece of metal, shell fragments, and pocket of sand	10	5		5	5	75				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. B12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

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TEST BORING REPORT

Boring No. B12

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 4 4 4	S9 20	16.0 18.0		CL	Medium stiff olive-gray lean CLAY with gravel (CL), mps 0.75 in., no structure, no odor, wet, trace organics		15			5	80				
	3 3 3 3	S10 0	18.0 20.0		CL-ML	Medium stiff gray lean CLAY (CL) interbedded with black SILT with organics (ML), mps 0.75 in., no structure, slight organic odor, wet, frequent pockets of sand, shell fragments		5		5	5	85				
20	WOH/12" 1	S11 4	20.0 22.0		CL-ML	Similar to above except very soft, mps <2 mm -HYDRAULIC FILL-				5	5	90				
	WOH/18" 1	S12 23	22.0 24.0		CL	S12 top 15.0 in.: Similar to above				5	5	90				
				-5.2 23.2	OL	S12 bottom 8.0 in.: Soft olive-brown ORGANIC CLAY with peat (OL), distinct organic odor, shell fragments					5	95				
				-6.0 24.0		-ORGANIC DEPOSITS-										

BOTTOM OF EXPLORATION 24.0 FT

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 5
Start	July 14, 2010
Finish	July 16, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NQ/HQ
Inside Diameter (in.)	4/3	1 3/8	2/2.5
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing:
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.6		-ASPHALT-										
	4 10 57	S1 14	0.6 2.1	0.6	SP	Very dense gray poorly graded SAND (SP), mps 1-3/8 in., no structure, no odor, moist, trace brick, concrete PID = 0.1 ppm	10	10	60	10	10					
	41 88 53 38	S2 11	2.1 4.1		GP	Very dense poorly graded GRAVEL (GP), mps 1-3/8 in., no structure, no odor, moist, trace concrete, brick PID = 0.1 ppm	10	65	10	10	5					
				14.1		-FILL-										
	12 12 7 10	S3 9	4.1 6.1	4.1	SM	Medium dense black silty SAND with gravel (SM), 40% cinder, brick, mps 0.25 in., no structure, no odor, moist PID = 0.1 ppm		10	50	20	5	15				
5	5 6 5 4	S4 15	6.1 8.1		SM	Similar to above PID = 0.1 ppm		10	50	20	5	15				
						-FILL-										
	8 7 10 6	S5 8	8.1 10.1		SM	Similar to above PID = 0.0 ppm		10	50	20	5	10				
10	5 11 16 4	S6 6	10.1 12.1		SM	Similar to above except trace metal PID = 0.0 ppm		10	50	20	5	15				
				6.1												
	11 9 4 2	S7 4	12.1 14.1	12.1	OL/OH	Stiff black sandy ORGANIC SILT (OL/OH), mps 0.25 in., no structure, organic odor, wet PID = 0.0 ppm			5	5	5	85				
15	2 2 4 6	S8 16	14.1 16.1		OL/OH	Similar to above except medium stiff PID = 0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/15/10	0730		27.0	46.0	11.5
7/16/10	0745		69.0	69.0	14.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	69.0
Rock Cored (ft)	18.0
Samples	S20, C4

Boring No. B13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. B13

File No. 12486-515

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Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 3 3	S9 11	16.1 18.1		OL/OH	Similar to above PID = 0.0 ppm			5	5	5	85				
	1 1 1 2	S10 24	18.1 20.1		OL/OH	Similar to above except very soft PID = 0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
20	2 2 3 5	S11 24	20.1 22.1		OL/OH	Similar to above except medium stiff PID = 0.0 ppm				5	10	85				
	5 5 4 6	S12 24	22.1 24.1	-3.9 22.1	OL/OH	Medium stiff dark brown ORGANIC SILT (OL/OH), mps 5 mm, organic odor, moist, trace peat, occasional sand partings PID = 0.0 ppm					5	95				
25						-ORGANIC DEPOSITS-										
30	WOR 1 1 1	S13 24	29.0 31.0		OL/OH	Very stiff gray-brown ORGANIC SILT (OL/OH), mps 5 mm, organic odor, moist, occasional sand partings PID = 0.0 ppm					5	95				
35	1 2 4 8	S14 24	34.0 36.0		OL/OH	Medium stiff dark brown ORGANIC SILT (OL/OH), mps 5 mm, organic odor, moist, frequent peat pockets, occasional sand partings					5	95				
				-19.3 37.5		-MARINE DEPOSITS-										
	7 10 11	S15 21	39.0 41.0		CL	Very stiff gray sandy lean CLAY (CL), mps 5 mm, no odor, moist occasional sand partings				5	10	85	N	L	L	

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B13

File No. 12486-515
Sheet No. 3 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
40	12					-MARINE DEPOSITS-										
45	2 2 2 17	S16 22	44.0 46.0		CL	Similar to above except soft				5	10	85	N	L	L	
				-29.3 47.5		Note: Drill action indicates stratum change at 47.5 ft.										
50	20 12 8 11	S17 4	49.0 51.0		GP	Medium dense gray poorly graded GRAVEL (GP), mps 1.0 in., no structure, no odor, wet	55	30	10	5						
				-33.3 51.5												
55	27 29 100/5"	S18 11	54.0 55.4		SM	Very dense olive-gray silty SAND (SM), mps 0.25 in., bonded, no odor, moist, occasional sand pocket		5	5	20	40	30				
						-GLACIAL TILL-										
60	28 31 48 70	S19 12	59.0 61.0		SM	Similar to above		5	15	15	30	35				

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B13

File No. 12486-515
Sheet No. 4 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	71 160/5"	S20 6	64.0 64.9		SM	Similar to above		5	15	15	30	35				
65						-GLACIAL TILL-										
						Note: Drill action indicates stratum change at 67.5 ft. TOP OF BEDROCK 67.5 FT										
				-49.3 67.5		Note: Advance NW casing to 69.0 ft and begin core run C1.										
						SEE CORE BORING REPORT FOR ROCK DETAILS										
70																
75																
80																
85																

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

CORE BORING REPORT

Boring No. B13
File No. 12486-515
Sheet No. 5 of 5

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	3.25	C1	69.0 72.8	41 9	90 20	Moderate		Medium hard, moderately weathered, gray fine-grained ARGILLITE. Bedding very thin, low angle. Primary joint set parallel to bedding, low angle, very close to close, smooth, planar, discolored to partially decomposed, tight to partly open.
70	3.5							
	3.25							
	1.75							
	3.25	C2	72.8 77.8	60 39	100 65	Slight to Moderate		Similar to above except weathering is slight to moderate.
	3.25							
75	3.25							-BEDROCK-
	3							
	3.25							
	3.25	C3	77.8 82.5	60 44	106 78	Slight to Moderate		Similar to above
	3.25							
80	3.25							
	3.25							
	3.25							
	3.25	C4	82.5 87.5	59 51	98 85	Slight to Moderate		Similar to above
	3.25							
85	3.25							
	3.25							
	3.25						-69.3 87.5	BOTTOM OF EXPLORATION 87.5 FT
								Note: Borehole grouted to surface upon completion.
								WOR = Weight of Rod
90								

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 14, 2010
Finish	July 14, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0 0.5		-ASPHALT-										
				16.0 1.5		-RUBBLE FILL-										
	*84 100/4"	S1 10	1.5 2.3	15.2 2.3	SM	Very dense gray with brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace concrete, brick PID = 0./0.0 ppm	5	10	15	20	30	20				
						-FILL- Note: Approximate former ground surface. -POSSIBLE CONCRETE/ASPHALT EM-1 CAP-										
	6 10 10	S2 10	4.0 5.5	13.7 3.8	SM	Medium dense dark gray with brown silty SAND (SM), mps 1.0 in., no structure, no odor, moist, 30% cinders, ash, slag PID = 0.0/0.0 ppm	5	10	10	10	35	30				
5	6 9 12 31	S3 20	5.5 7.5		SM	Similar to above PID = 0.0/0.0 ppm -FILL-		15	10	10	35	30				
	14 8 17 10	S4 8	7.5 9.5		SM	Similar to above except wet PID = 0.0/0.0 ppm		15	10	10	30	35				
10	10 4 2 18	S5 12	9.5 11.5		SM	Similar to above, trace glass PID = 0.0/0.0 ppm	5	10	15	20	30	20				
	8 5 4 6	S6 10	11.5 13.5		SM	Similar to above except loose PID = 0.0/0.0 ppm	5	10	15	20	30	20				
15	12 7 9 6	S7 2	13.5 15.5		SM	Similar to above except medium dense PID = 0.0/0.0 ppm -FILL-	5	10	10	15	30	30				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/14/2010	1230	0.5	14.0	21.5	8.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.5
Rock Cored (ft)	-
Samples	S10

Boring No. B14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15																
				2.0												
	4 4 6 6	S8 16	15.5 17.5	15.5	CL	Stiff gray lean CLAY with sand (CL), mps 0.25 in., reworked, no odor, wet, intermixed with silt PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5	5	5	10	75				
	10 3 5 6	S9 4	17.5 19.5		CL	Similar to above except medium dense PID = 0.0/0.0 ppm			5	10	10	75				
				-2.0												
20	4 3 4 4	S10 24	19.5 21.5	19.5	OL/ OH	Medium stiff brown ORGANIC SOIL (OL-OH), mps <1 mm, occasional pockets of PEAT, strong organic odor, wet trace shells PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 21.5		BOTTOM OF EXPLORATION 21.5 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 15, 2010
Finish	July 15, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: PID not used during rain

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0		-ASPHALT-										
				0.5		-CONCRETE/RUBBLE FILL-										
	100*/4†	S1 3	1.5 1.8	15.7 1.8	GW	Very dense gray well-graded GRAVEL with sand (GW), mps 2.5 in., no structure, no odor, moist, 90% concrete Note: Approximate former ground surface.	40	40	10	10						
	3* 6	S2 6	2.5 3.5	15.0 2.5	SM	-PROBABLE CONCRETE FILL/ASPHALT CAP- S2: Medium dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 30% ash, cinders, slag, metal, glass		15	10	15	35	25				
	7 4 6 4	S3 10	3.5 5.5		SM	S3: Similar to above except loose -FILL-		15	10	15	35	25				
5	10 9 19 11	S4 12	5.5 7.5		SM	Similar to above except medium dense		15	10	15	35	25				
	31 15 8 6	S5 6	7.5 9.5		SM	Similar to above	5	10	10	15	35	25				
10	6 4 6 3	S6 8	9.5 11.5		SM	Similar to above except loose	5	10	10	15	30	30				
	1 1 2 1	S7 6	11.5 13.5		SM	Similar to above except very loose, trace wood	5	10	15	15	25	30				
	3 1 4 3	S8 8	13.5 15.5	4.0 13.5	ML/ CL	Loose gray with brown sandy SILT (ML) intermixed with lean CLAY (CL), mps 0.25 in., no odor, wet, trace cinders, ash, metal, wood PID = 0.0 ppm -HYDRAULIC FILL-		5	5	10	15	65				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/15/10	1000	0.5	15.0	21.5	9.7

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.5
Rock Cored (ft)	-
Samples	S10

Boring No. B15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B15

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 3 3	NR 0	15.5 17.5			Note: No recovery. Residue on spoon similar to above. -HYDRAULIC FILL-										
	1 1 4 3	S9 20	17.5 19.5		CL	Medium stiff gray sandy lean CLAY (CL), mps 0.25 in., no odor, wet, reworked, trace wood, organic soil PID = 0.0 ppm		5	5	5	15	70				
				-2.0 19.5												
20	4 2 4 3	S10 24	19.5 21.5		OL/ OH	Medium stiff gray-brown ORGANIC SOIL (OL/OH), mps < 1 mm, no structure, strong organic odor, wet, trace peat PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 21.5		BOTTOM OF EXPLORATION 21.5 FT										

Note: Borehole grouted to surface upon completion.

*Indicates 3-in. spoon and 300-lb hammer used.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 13, 2010
Finish	July 13, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0 0.5		-ASPHALT- Note: Approximate former ground surface.										
				15.5		-RUBBLE FILL- and -PROBABLE ASPHALT EM-1 CAP-										
	*20 17 23	S1 12	2.0 3.5	2.0	SM	Dense dark brown to gray silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 30% cinders, ash, metal, miscellaneous debris PID = 0.0/0.0 ppm	5	10	10	15	40	20				
	29 14 12 15	S2 12	3.5 5.5		SM	Similar to above except medium dense PID = 0.0/0.0 ppm -FILL-	5	10	10	15	40	20				
5	19 19 6 22	S3 16	5.5 7.5		SM	Similar to above PID = 0.0/0.0 ppm		15	10	15	40	20				
	20 9 6 5	S4 8	7.5 9.5		SM	Medium dense brown to gray silty SAND (SM), mps 0.5 in., no structure, no odor, wet, 30% cinders, ash, slag, trace brick, glass, metal PID = 0.0/0.0 ppm		10	10	15	35	30				
10	4 4 1 2	S5 6	9.5 11.5		SM	Similar to above except loose PID = 0.0/0.0 ppm		10	10	15	35	30				
	5 3 4 3	S6 4	11.5 13.5		SM	Similar to above PID = 0.0/0.0 ppm		10	10	15	35	30				
	6 3 6 2	S7 20	13.5 15.5	4.0 13.5	ML	Loose gray-brown SILT (ML), mps 0.25 in., reworked, intermixed with lean CLAY, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-					10	90				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/13/2010	1200	0.5	15.0	21.5	4.2*
		*Not stabilized			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.5
Rock Cored (ft)	-
Samples	S10

Boring No. B16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B16

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 1 2 2	S8 6	15.5 17.5		CL	Soft gray lean CLAY with sand (CL), mps 0.25 in., reworked, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5	20	75				
	1 2 3 3	S9 24	17.5 19.5		OL/ OH	Medium stiff brown ORGANIC SOIL with sand (OL-OH), mps 5 mm, no structure, faint organic odor, reworked PID = 0.0/0.0 ppm					15	85				
20	4 3 4 4	S10 20	19.5 21.5	-2.0 19.5	OL/ OH	Medium stiff gray-brown ORGANIC SOIL (OL-OH), mps <2 mm, occasional pockets of PEAT, organic odor, wet, trace shells PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 21.5		BOTTOM OF EXPLORATION 21.5 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 15, 2010
Finish	July 16, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.5		-ASPHALT-										
				0.5		-FILL-										
	12* 46 59 35	S1	1.0 3.0		SW-SM	Very dense light brown to gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist, trace brick, concrete PID = 0.0 ppm Note: Probable former ground surface.	5	10	15	25	35	10				
	27 19 20 8	S2 4	3.0 5.0	14.0 3.0	SM	Dense dark gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 25% ash, cinders, slag, wood, brick PID = 0.0 ppm	5	10	10	15	35	25				
5	10 10 13 22	S3 4	5.0 7.0		SM	Similar to above except medium dense PID = 0.0 ppm -FILL-	5	10	10	15	35	25				
	8 5 4 3	S4 4	7.0 9.0		SM	Similar to above except loose PID = 0.0 ppm		15	15	20	30	20				
10	10 4 2 3	NR 0	9.0 11.0			Note: No recovery. Overdrove 3-in. spoon; residue in spoon similar to above.										
	8* 8 3 3	S5 6	11.0 13.0		SM	Similar to above except medium dense, wet PID = 0.0 ppm	5	10	10	15	35	25				
15	4* 3 2 3	S6 6	13.0 15.0		GW	Loose gray well-graded GRAVEL with sand (GW), mps 2.0 in., no structure, no odor, wet, trace metal, brick, cinders PID = 0.0 ppm	40	45	5	5	5					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/16/10	1030	0.5	19.0	23.0	7.6

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.0
Rock Cored (ft)	-
Samples	S8

Boring No. B17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B17

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	18 12 5 5	NR 0	15.0 17.0			Note: No recovery. Five pieces of gravel in spoon similar to above. -FILL-										
				0.0 17.0												
	5 7 4 3	S7 6	17.0 19.0		OL/ OH	Stiff dark gray sandy ORGANIC SOIL (OL/OH) intermixed with lean clay and silt, mps 0.5 in., faint petroleum-like odor, wet PID = 6.2 ppm		5	5	10	15	65				
	6 4 3 4	NR 0	19.0 21.0			Note: No recovery. 5-in. piece of gravel lodged in tip of spoon. Residue in spoon similar to above. -HYDRAULIC FILL-										
20	5 4 2 3	S8 8	21.0 23.0		OL/ OH	Similar to above except medium stiff PID = 3.2 ppm		5	5	10	15	65				
				-6.0 23.0		BOTTOM OF EXPLORATION 23.0 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 14.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 15, 2010
Finish	July 15, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
				16.5												
	10	S1 5	0.5 1.0	0.5	SP SM	S1 top 4.0 in.: Medium dense gray poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist, trace glass PID = 0.0/0.6 ppm	10	15	25	30	15	5				
	10 7 5 4	S2 14	1.0 3.0			S1 bottom 1.0 in.: Medium dense dark brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, with crushed brick and glass S2 top 5.0 in.: Similar to above except with 10% cinders and ash PID = 0.0/2.7 ppm		10 10	15 5	15 30	40 30	20 25				
				14.8 2.2												
				14.4 2.6		-FILL-										
					SM	Note: Approximate former ground surface.	10	10	30	35	10	5				
	15 10 6 6	S3 15	3.0 5.0		SM	-ASPHALT CAP- S2 bottom 4.0 in.: Medium dense poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist, with crushed brick, wood fragments S3: Medium dense gray-brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, with crushed brick, wood fragments, glass and trace amounts of cinders and ash, with metal PID = 0.0/5.3 ppm		15	10	20	35	20				
5	3 3 3 3	S4 0	5.0 7.0			S4: Note: No recovery. Overdrove 3-in. spoon.										
	7 5 3 2	S5 14	7.0 9.0		SM	Loose gray-brown silty SAND (SM), mps 0.75 in., no structure, smoky odor, moist, 50% cinders and ash, with glass and ceramic PID = 0.0/28.1 ppm -FILL-		5	15	15	40	25				
10	5 4 5 3	S6 8	9.0 11.0		SM	Similar to above except 20% cinders and ash PID = 0.0/20.7 ppm		5	15	20	35	25				
				6.0 11.0												
	2 2 2 2	S7 11	11.0 13.0		ML	Very loose gray-brown to gray sandy SILT (ML), mps 0.25 in., no structure, slightly smoky odor, wet, with metal, glass fragments, shell fragments PID = 0.0/15.2 ppm -HYDRAULIC FILL-		5	5	10	15	65				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.0
Rock Cored (ft)	-
Samples	S12

Boring No. B18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B18

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
						Note: Encountered obstruction at 13.0 ft (wood pile); drove through to 15.0 ft.										
15	5 3 2 2	S8 14	15.0 17.0		ML	Medium stiff gray SILT with sand (ML), mps <2 mm, no structure, no odor, moist, shell fragments PID = 0.0/5.3 ppm -HYDRAULIC FILL-			5	5	10	80				
	2 2 2 2	S9 5	17.0 19.0		CL	Very soft gray lean CLAY with sand, mps 1.5 in., no odor, wet, shell fragments Note: Piece of coarse gravel lodged in spoon. PID = 0.0/0.0 ppm	5			5	10	80				
20	WOH/6" 1 1 1	S10 18	19.0 21.0		CL	Very soft gray lean CLAY (CL), mps <1 mm, no structure, slight organic odor, wet, trace organics, shell fragments PID = 0.0/0.0 ppm				5	5	90				
	WOH/18" 1	S11 24	21.0 23.0	-4.5 21.5	CL	S11 top 6.0 in.: Similar to above PID = 0.0/0.0 ppm				5	5	90				
				-6.0 23.0	CL	S11 bottom 13.0 in.: Soft olive-brown ORGANIC CLAY (OL) with frequent pockets of PEAT (PT), distinct organic odor, wet -ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 23.0 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B19

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 15, 2010
Finish	July 16, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.5		-ASPHALT-										
	22	S1 3	0.5 1.0	0.5	SP	S1: Gray poorly graded SAND with gravel (SP),, mps 2.5 in., no structure, no odor	10	10	30	30	15	5				
	7 12 5 4	S2	1.0 3.0		SM	Note: Piece of coarse gravel lodged in tip of spoon. PID = 0.0/0.0 ppm S2: Medium dense gray silty SAND (SM), mps 0.75 in., no structure, no odor, moist, wood fragments, crushed brick PID = 0.0/0.0 ppm		10	10	15	45	20				
	5 4 5 5	S3 15	3.0 5.0		SM	Loose dark gray silty SAND (SM), mps 0.5 in., no structure, no odor, moist, 15% cinders and ash, with crushed brick and glass PID = 0.0/2.1 ppm		10	10	25	35	20				
5	9 7 6 6	S4 13	5.0 7.0		ML	Medium dense dark gray sandy SILT (ML) interbedded with red-yellow silt, mps 0.5 in., no structure, slightly smoky odor, moist, 15% cinders and ash, with crushed brick, wood fragments, glass and metal PID = 0.0/5.2 ppm -FILL-		5	5	10	15	65				
	8 7 10 7	S5 18	7.0 9.0		SM	Medium dense dark gray silty SAND (SM), mps 0.25 in., no structure, slight petroleum odor, moist, wood fragments, glass, and cinders and ash PID = 0.0/7.1 ppm		5	15	20	40	20				
10	1 1 1 1	S6 5	9.0 11.0		SM	Very loose gray silty SAND (SM), mps 0.25 in., no structure, no odor, wet, with crushed brick, shall fragments, wood fragments, and metal PID = 0.0/0.0 ppm		5	10	35	35	15				
	WOH/6" 1 1 1	S7 9	11.0 13.0		SM	Similar to above except mps 0.5 in. PID = 0.0/0.0 ppm		5	10	35	35	15				
	10 3 4 5	S8 6	13.0 15.0	4.0 13.0	OL/OH	Medium stiff brown sandy ORGANIC SOIL (OL/OH), mps 0.5 in., no odor, wet, reworked, trace glass, brick, cinders PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5	5	10	15	65				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/16/10	1200	0.5	15.0	21.0	10.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.0
Rock Cored (ft)	-
Samples	S11

Boring No. B19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B19

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	11 4 4 4	S9 10	15.0 17.0		OL/ OH	Similar to above except with 30% cinders, ash, glass, brick PID = 0.0 ppm -HYDRAULIC FILL-		5	5	10	15	65				
	1 3 3 4	S10 10	17.0 19.0	-2.0	OL/ OH	Similar to above except intermixed with lean clay, trace cinders, faint petroleum-like odor PID = 4.6 ppm			5	5	20	70				
20	4 4 4 4	S11 20	19.0 21.0	19.0 -4.0 21.0	OL/ OH	Medium stiff brown with gray ORGANIC SOIL (OL/OH), mps <2 mm, organic odor, wet, trace shells, occasional partings of peat PID = 2.2 ppm -ORGANIC DEPOSITS-					5	95				
						BOTTOM OF EXPLORATION 21.0 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B19

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 12, 2010
Finish	July 12, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	21.2
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-PROCESSED GRAVEL-										
	7 7	S1 10	0.2 1.2	0.2	CL	Medium stiff dark brown sandy lean CLAY (CL), mps 1.0 in., no structure, no odor, moist, with crushed brick and glass, occasional clumps of gray silt PID = 0.0/0.0 ppm	5	5	5	10	25	50				
	2 2 2 2	S2 13	1.2 3.2		CL	S2: Similar to above except very loose, no clumps of silt PID = 0.0/0.0 ppm	5	5	5	10	25	50				
						-FILL-										
	20 61 74 100/2"	S3 20	3.2 5.2	17.4	CL	S3 top 3.0 in.: Similar to above Note: Approximate former ground surface.										
				3.8		-ASPHALT CAP-										
				16.7 4.5	SM	S3 bottom 8.0 in.: Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, with crushed brick PID = 0.0/0.0 ppm	5	10	5	25	35	20				
5	21 14 17 23	S4 15	5.2 7.2		ML/ SM	Note: Drilled through 6-in. obstruction. S4: Dense red-brown sandy SILT (ML) intermixed with silty SAND (SM), mps 0.75 in., no structure, no odor, moist, 30% crushed brick, with glass and metal PID = 0.0/0.0 ppm		10 10	10	10 10	20 40	50 40				
	13 13 17 20	S5 17	7.2 9.2		ML/ SM ML/ SM	S5 top 3.0 in.: Similar to above except no metal PID = 0.0/0.0 ppm S5 bottom 9.0 in.: Dense tan silty SAND (SM), mps 0.5 in., no structure, no odor, moist		5	5	20	40	30				
10	7 9 6 8	S6 14	9.2 11.2		ML	Medium dense tan SILT with sand (ML), mps 0.25 in., no structure, no odor, moist, with crushed brick PID = 0.0/0.0 ppm		5			15	80				
	4 4 2 4	S7 3	11.2 13.2		ML	Similar to above PID = 0.0/0.0 ppm		5			15	80				
						-FILL-										
	4 4 4 3	S8 8	13.2 15.2		SM	Loose tan to gray silty SAND (SM), mps <2 mm, no structure, no odor, wet, 20% cinders and ash, with crushed brick and shell fragments PID = 0.0/0.0 ppm			5	30	40	25				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.2
Rock Cored (ft)	-
Samples	S13

Boring No. C12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C12

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 2	S9 15	15.2 17.2		SP-SM	Very loose dark brown to black poorly graded SAND with silt (SP-SM), mps 1.0 in., no structure, slight smoky odor, wet, 25% cinders and ash, with crushed brick, shell fragments and glass PID = 0.0/0.0 ppm -FILL-	5	5	30	35	15	10				
	2 2 1 1	S10 14	17.2 19.2	2.7	SP	S10 top 6.0 in.: Similar to above except mps 0.5 in.										
				18.5	SP	S10 bottom 8.0 in.: Very loose black SILT with sand (ML), mps <2 mm, no structure, slight organic odor, wet, with glass, ceramic, and shell fragments, with some organics			5	10	10	75				
20	2 2 3 3	S11 18	19.2 21.2		ML	S11: Similar to above except mps 0.5 in., no ceramic -HYDRAULIC FILL-		5	5	5	10	75				
	1 1 1 1	S12 24	21.2 23.2		CL	Soft gray lean CLAY (CL), mps <2 mm, no structure, no odor, wet, with shell fragment PID = 0.0/0.0 ppm			5		5	90				
	1 1 2 1	S13 23	23.2 25.2		CL	S13 top 9.0 in.: Soft olive-brown lean CLAY (CL), mps <2 mm, no structure, slight organic odor, moist, with shall fragments			5		5	90				
				-3.3 24.5	OL/OH	S13 bottom 14.0 in.: Soft olive-brown ORGANIC SOIL (OL/OH), mps <1 mm, distinct organic odor, moist, with shells and shell fragments					5	95				
25				-4.0 25.2		BOTTOM OF EXPLORATION 25.2 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C13(OW)

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 1, 2010
Finish	July 1, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	21.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-GRAVEL-										
	6 5 4	S1 14	0.5 2.0	0.5	ML	Loose gray sandy SILT (ML), mps 1.0 in., trace wood, brick, no structure, no odor, moist PID = 0.0/0.0 ppm -FILL-			5	20	20	55				
	3 6 100/5"	S2 7	2.0 3.4	18.5	ML	Similar to above PID = 0.0/0.1 ppm			5	20	20	55				
				2.5		Note: Approximate former ground surface.										
				18.0 3.0		-ASPHALT EM-1 CAP-										
	100/5"	S3 4	4.0 4.4		GP	Very dense gray poorly graded GRAVEL with sand (GP), mps 0.75 in., no structure, no odor, wet PID = 0.0/0.1 ppm Note: Drilled through gravel, cobbles from 4.0 ft to 6.0 ft.	5	70	10	10	5					
5																
	12 40 100/5"	S4 8	6.0 7.4		GP-GM	Similar to above except with silt, trace wood PID = 0.0/0.0 ppm	5	70	10	5		10				
	13 12 10 12	S5 9	8.0 10.0		GP-GM	Similar to above except medium dense, trace cinder PID = 0.0/0.0 ppm -FILL-	5	70	10	5		10				
10				11.0												
	5 5 3 2	S6 4	10.0 12.0	10.0	SP-SM	Loose dark gray poorly graded SAND with silt (SP-SM), trace cinder, metal, no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-			50	30	10	10				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/2/2010	0700		6.0	8.0	2.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22
Rock Cored (ft)	-
Samples	S11

Boring No. C13(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C13(OW)

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	6 2 5 10	S7 7	12.0 14.0			SP- SM	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-			50	30	10	10				
15	2 2 1 2	S8 20	14.0 16.0			SM	Very loose dark gray silty SAND (SM), mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm			15	30	20	35				
	5 3 2 2	S9 12	16.0 18.0			SM	Similar to above except loose			15	30	20	35				
	9 2 2 3	S10 7	18.0 20.0		2.5 18.5	SM	Similar to above except medium dense PID = 0.0/0.0 ppm			15	30	20	35				
						CL	Soft gray lean CLAY with sand (CL), mps 5 mm, no structure, no odor, wet PID = 0.0/0.0 ppm			5	5	10	80				
20	4 2 5 8	S11 10	20.0 22.0			CL	Similar to above except medium stiff PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5	5	10	80				
					-1.0 22.0		BOTTOM OF EXPLORATION 22.0 FT Note: Observation well installed upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C13(OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW to 20.0 ft
				Hoist/Hammer: Automatic Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 29, 2010
Finish	June 29, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	21.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		PROCESSED GRAVEL (6.0 in.)										
	3	S1	0.5	0.5	CL	Soft dark brown sandy lean CLAY with gravel (CL), mps 1 in., no structure, no odor, wet, with crushed brick and glass PID = 0.0/0.0 ppm	5	10	5	15	15	50				
	2 3 5 7	S2 13	1.0 1.0 3.0		CL	Similar to above except mps 0.75 in. PID = 0.0/0.0 ppm		10	5	15	20	50				
						-FILL-										
	10 110 58 105/4"	S3 14	3.0 5.0		CL	S3 top 11 in.: Similar to above except mps 1.0 in. Note: Approximate former ground surface.	5	10	5	10	20	50				
				17.0 4.0		-ASPHALT CAP-										
5	90 70 50 100/3"	S4 11	5.0 7.0	16.1 4.9	SP	Very dense red brown poorly graded SAND and gravel (SP), mps 1 in., no structure, no odor, moist, 30% crushed red brick, trace ash PID = 0.0/0.0 ppm	15	15	30	30	10					
						Note: Drilled through obstruction from 6.8 ft to 7.5 ft. Drill cuttings indicated boulder.										
	9 4 7	S5 14	7.5 9.0			CINDERS and ASH in a medium sand matrix, mps 1.0 in., burnt ash odor, moist, crushed brick										
10	7 7 3 4	S6 12	9.0 11.0		SM	Loose dark brown silty SAND (SM) intermixed with cinders and ash, mps 1 in., no structure, burnt ash odor, wet, with crushed brick and glass PID = 0.0/0.0 ppm	5	5	10	15	40	25				
	5 6 5 5	S7 10	11.0 13.0			Similar to above, mps 0.75 in.		10	5	20	40	25				
						-FILL-										
	2 3 3 3	S8 11	13.0 15.0		SM	Loose dark brown silty SAND (SM) intermixed with cinders and ash, mps 0.75 in., no structure, burnt ash odor, wet, with glass PID = 0.0/0.0 ppm										
15	2 2 2 1	S9 8	15.0 17.0			Similar to above PID = 0.0/0.0 ppm										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Split Spoon Sample

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S13

Boring No. C14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 1 1	S10 10	17.0 19.0		ML/ SM	Very loose dark brown sandy SILT intermixed with silty SAND, 20% cinders and ash, mps 0.75 in., no structure, no odor, wet, with crushed brick and glass PID = 0.0/0.0 ppm -FILL-										
				2.0 19.0	OL/ OH	Note: Minimal recovery. Overdrove 3-in. spoon. Dark brown to black ORGANIC SILT (OL/OH), mps 0.5 in., no structure, petroleum-like odor, wet, with plastic, glass, cinders, and ash PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
20	2 1 2 2	S11 2	19.0 21.0													
	WOH to 12" 1 2	S12 15	21.0 23.0		CL	S12 top: Very soft lean CLAY (CL) intermixed with ORGANIC SILT (OL/OH), mps 0.5 in., no structure, strong petroleum odor, wet, with fine sand seams, glass and shell fragments PID = 0.0/0.0 ppm										
				-1.8 22.8	OL/ OH	S12 bottom 3.0 in.: Olive brown ORGANIC SOIL (OL/OH) with shell fragments and pockets of peat S13: Similar to above, with peat more frequent -ORGANIC DEPOSITS-						100 100				
	WOH to 18" 1	S13 23	23.0 24.0													
25				-4.0 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW Drive to 20.0 ft
				Hoist/Hammer: Automatic Hammer
				PID Make & Model:

File No.	12486-515
Sheet No.	1 of 2
Start	June 30, 2010
Finish	June 30, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.8
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-PROCESSED GRAVEL-										
	8	S1	0.3	0.3	SC	S1: Loose brown clayey SAND with gravel (SC), mps 1.0 in., no structure, no odor, wet, with crushed brick, glass and slag PID = 0.0/0.0 ppm	5	10	10	15	25	35				
	6 5 4 4	S2 15	0.8 0.8 2.8		SM	S2: Loose dark brown silty SAND (SM), mps 0.75 in., no structure, no odor, moist, 10% cinders and ash, with crushed brick and slag PID = 0.0/0.0 ppm		10	15	20	30	25				
						-FILL-										
	8 9 11 59	S3 9	2.8 4.8		SC	S3 top 6.0 in.: Medium dense brown clayey SAND (SC), mps 0.75 in., no structure, no odor, wet, with slag, metal, spikes, glass PID = 0.0/0.0 ppm		10	10	20	35	25				
				16.3		Note: Approximate former ground surface.										
				4.5		-ASPHALT, EM-1 CAP-										
5	69 40 32 29	S4 19	4.8 6.8	16.0 4.8	SM	Very dense red brown silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, moist. 1.5-in. piece of concrete lodged in split spoon, 30% crushed brick, with glass and slag PID = 0.0/0.0 ppm	5	15	5	15	35	25				
						-FILL-										
	10 9 8 8	S5 13	6.8 8.8		SM	Loose dark brown silty SAND (SM), mps 0.75 in., no structure, no odor, moist, 15% cinders and ash, with crushed brick and glass, with ceramic PID = 0.0/0.0 ppm		5	5	10	50	30				
	8 5 3 2	S6 0	8.8 10.8			Note: No recovery. Overdrove 3-in. spoon.										
10																
	13 13 8 3	S7 0	10.8 12.8			Note: No recovery. 1.5-in. piece of gravel lodged in split spoon. Overdrove 3-in. spoon. Note: Casing and wash to 12.8 ft.										
	5 2 3 2	S8 10	12.8 14.8		SM	Very loose dark brown silty SAND (SM), mps 0.5 in., no structure, burnt ash smell, wet, 25% cinders and ash with ceramic PID = 0.0/0.0 ppm		10	10	20	35	25				
						-FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.8
Rock Cored (ft)	-
Samples	S13

Boring No. C15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C15

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Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 1	S9 9	14.8 16.8		SM	Similar to above, with wood fragments PID = 0.0/0.0 ppm		5	15	25	35	20				
	1 1 1 2	S10 7	16.8 18.8		SM	Similar to above PID = 0.0/0.0 ppm		5	10	25	30	30				
	3 1 1 1	S11 12	18.8 20.8	1.7 19.1	ML OH	S11 top 4.0 in.: Dark brown to black sandy SILT (ML), mps 0.5 in., no structure, slight organic odor, wet, with wood fragment, shell fragment, ceramic				5	5	90				
20					CL	S11 middle 5.0 in.: Very soft black ORGANIC SILT (OH), mps <1 mm, no structure, organic odor, wet, with shell fragment and wood fragment PID = 0.0/0.0 ppm					5	95				
	WOH/12" 1 1	S12	20.8 22.8			S11 bottom 3.0 in.: Soft olive gray lean CLAY (CL), mps <1 mm, no structure, slight organic odor, wet, with shell fragments, occasional pockets of sand S12: No recovery. Second and third retry, no recovery. -HYDRAULIC FILL-										
	WOH/24"	S13 23	22.8 24.8	-2.0 22.8	OL/ OH	Soft olive brown ORGANIC SOIL (OL/OH), with frequent pockets of peat and shell fragments PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-4.0 24.8		BOTTOM OF EXPLORATION 24.8 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 30, 2010
Finish	July 1, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	21.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 20.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-PROCESSED GRAVEL BASE-										
	32	S1 4	0.5 1.0	0.5	SC	Dense brown clayey SAND with gravel (SC), mps 1.0 in., no structure, no odor, wet, with glass and ceramic PID = 0.0/0.0 ppm	5	10	5	15	35	30				
	12 12 20 15	S2 15	1.0 3.0		SM	Dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 10% cinders and ash, crushed brick, glass PID = 0.0/0.0 ppm	5	10	5	20	35	25				
						-FILL-										
	10 19 53 97	S3 9	3.0 5.0		SC	S3 top 6.0 in.: Very dense brown clayey SAND (SC), mps 0.75 in., no structure, no odor, wet PID = 0.0/0.0 ppm		10	10	20	35	25				
				16.2 4.8		Note: Approximate former ground surface.										
5				15.9 5.1		-ASPHALT EM-1 CAP-										
	54 49 39 25	S4 14	5.0 7.0		SP	Very dense orange brown poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist, 25% crushed red brick, with metal and glass PID = 0.0/0.0 ppm	5	10	15	40	25	5				
	12 10 11 8	S5 12	7.0 9.0		SM	Medium dense dark brown silty SAND (SM), mps 0.75 in., no structure, burnt ash odor, moist 20% cinders and ash, with crushed brick and metal (nail) PID = 0.0/0.0 ppm Note: Drilled through obstruction from 9.0 ft to 10.6 ft (cuttings indicate concrete boulders).		10	10	25	30	25				
						-FILL-										
10	7 7 8 5	S6 15	10.6 12.6		SM	Loose dark brown silty SAND (SM), mps 0.75 in., no structure, burnt ash odor, moist, 20% cinders and ash, with crushed brick and metal		10	10	20	35	25				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.6
Rock Cored (ft)	-
Samples	S13

Boring No. C16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 2 2 2	S7 9	12.6 14.6		SP-SM	Very loose dark brown poorly graded SAND with silt and gravel (SP-SM), mps 1.5 in., no structure, no odor, wet, with crushed brick and metal PID = 0.0/0.0 ppm	10	5	10	35	25	15				
15	2 2 2 2	S8 10	14.6 16.6		SP	Very loose dark brown poorly graded SAND (SP), mps 1.0 in., no structure, no odor, wet, 20% crushed brick, 10% wood fragment, with glass and slag PID = 0.0/0.0 ppm -FILL-	5	5	40	35	10	5				
				4.4 16.6												
	3 4 4 3	S9 11	16.6 18.6		ML	Medium stiff gray SILT (ML), mps <1 mm, no structure, slight organic odor, moist occasional pockets of peat PID = 0.0/0.0 ppm					10	90				
	WOH/12"	S10 23	18.6 20.6		OL/OH	Very soft black ORGANIC SILT (OH) intermixed with gray black ORGANIC CLAY (OL), mps 0.75 in., no structure, organic odor, wet, with sand partings and pockets of peat PID = 0.0/0.0 ppm					5	95				
20						-HYDRAULIC FILL-										
	WOH/24"	S11 24	20.6 22.6													
				-0.8 21.8	OL/OH	S11 top 15.0 in.: Similar to above except mps 0.5 in., with ceramic					5	95				
					OL/OH	S11 bottom 9.0 in.: Soft olive brown ORGANIC SOIL (OL/OH), trace peat PID = 0.0/0.0 ppm						100				
				-1.6 22.6		-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 22.6 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW Drive to 22.0 ft
				Hoist/Hammer: Automatic Hammer
				PID Make & Model:

File No.	12486-515
Sheet No.	1 of 2
Start	July 1, 2010
Finish	July 1, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.8
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-PROCESSED GRAVEL-										
	5 7 8 17	S1 21	0.6 2.6	20.2 0.6	SM	Medium dense dark brown to black silty SAND with gravel (SM), mps 2.0 in., no structure, no odor, moist, with crushed brick, glass, ceramic, wood fragments and slag with rubber PID = 0.0/0.0 ppm	10	10	5	20	35	20				
	9 5 4 4	S2 12	2.6 4.6			Similar to above, mps 1.0 in. except loose with rubber PID = 0.0/0.0 ppm	5	5	5	25	35	25				
						-FILL-										
				16.2 4.6		Note: Approximate former ground surface.										
						-ASPHALT EM-1 CAP-										
5	18 40 20 43	S3 11	4.6 6.6	15.9 4.9	SM	S3 bottom 8.0 in.: Very dense brown silty SAND (SM), mps 1.0 in., no structure, no odor, moist, with crushed brick, glass, plastic and metal PID = 0.0/0.0 ppm	5	5	10	30	35	15				
	18 10 7 9	S4 9	6.6 8.6		SP	Medium dense brown poorly graded SAND with gravel (SP) PID = 0.0/0.0 ppm	10	10	10	25	40	5				
						-FILL-										
	8 4 2 3	S5 10	8.6 10.6		SP	Loose poorly graded SAND (SP), mps 0.75 in., no structure, burnt ash odor, wet, 50% cinders and ash, with crushed brick PID = 0.0/0.0 ppm		5	10	40	40	5				
10	3 8 8 8	S6 2	10.6 12.6		ML	Yellow brown sandy SILT (ML), 10% clay Note: Overdrove 3-in. split spoon.	5	5		15	15	60				
	7 3 2 1	S7 9	12.6 14.6		SP-SM	Loose dark brown poorly graded SAND with silt (SP-SM), mps 0.5 in., no structure, burnt ash odor, moist, 25% cinders and ash, with crushed brick and glass, wood fragments PID = 0.0/0.0 ppm		10	15	30	25	20				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.6
Rock Cored (ft)	-
Samples	S13

Boring No. C17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C17

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 1	S8 0	14.6 16.6			Note: No recovery. -FILL-										
	3 3 3 3	S9 2	16.6 18.6		SP	Note: Overdrove 3-in. spoon to 18.6 ft. Cinders and ash in a poorly graded SAND with gravel matrix (SP), mps 0.75 in., no structure, burnt ash odor, wet, with crushed brick and glass		20	30	25	20	5				
	4 7 5 7	S10 3	18.6 20.6			Ceramic, glass, slag, crushed brick, plastic in a coarse sand matrix. -TRASH FILL - Note: Overdrove 3-in. spoon. Similar to above PID = 0.0/0.0 ppm										
20	4 3 3 6	S11 0	20.6 22.6			Note: No recovery. Overdrove 3-in. spoon.										
	4 5 5 5	S12 8	22.6 24.6	-1.8 22.6	OL	Medium stiff black ORGANIC CLAY with sand (OL), mps <1 mm, no structure, slight petroleum odor, wet, with shell fragments, brick fragments, ceramic and glass PID = 0.0/0.0 ppm -HYDRAULIC FILL-					15	85				
25	1 1 1 1	S13 21	24.6 26.6	-3.8 24.6	OL/ OH	Soft gray ORGANIC SOIL (OL/OH), mps <1 mm, distinct organic odor, wet, with shell fragments -ORGANIC DEPOSITS-					5	95				
				-5.8 26.6		BOTTOM OF EXPLORATION 26.6 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 6
Start	July 13, 2010
Finish	July 20, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	21.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NQ
Inside Diameter (in.)	4/3	1 3/8	2
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Spun to 74.0 ft; HW Drive/Spun to 20.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-GRAY PROCESSED GRAVEL-										
	7	S1 6	0.5 1.0	0.5	CL	Medium stiff gray-brown sandy lean CLAY with gravel (CL), mps 1.5 in., no structure, no odor, moist, with glass and crushed brick PID = 0.0/0.0 ppm	10	10		10	20	50				
	3 3 3 4	S2 15	1.0 3.0		CL	Similar to above except brown, mps 1.0 in. PID = 0.0/0.0 ppm	10	10		10	20	50				
						-FILL-										
	17 29 74 101	S3 10	3.0 5.0		CL	Similar to above except hard, mps 0.5 in., without glass PID = 0.0/0.0 ppm	10	10		10	20	50				
				16.6		Note: Approximate former ground surface.										
				4.4		-ASPHALT EM-1 CAP-										
5	19 21 16 22	S4 14	5.0 7.0	16.0 5.0	SP	S4 top 4.0 in.: Dense gray poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	25	35	20	5				
					SP	S4 middle 4.0 in.: Dense yellow brown poorly graded SAND (SP), mps 0.75 in., no structure, no odor, moist		10	15	35	35	5				
					SM	S4 bottom 6.0 in.: Dense dark brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, with crushed brick and glass, trace ceramics		5	5	30	30	30				
	16 14 11 15	S5 17	7.0 9.0		SM	S5: Similar to above except 0.75 in., without ceramics PID = 0.0/0.0 ppm		5	5	25	40	25				
10	4 6 5 5	S6 12	9.0 11.0		ML/ SM	Medium dense dark brown sandy SILT (ML) intermixed with silty SAND (SM), mps 0.5 in., no structure, smoky odor, wet, 30% cinders and ash, with crushed brick, glass, slag and plastic PID = 0.0/0.0 ppm		5 5	5	15 10	30 40	50 40				
						-FILL-										
	2 3 3 3	S7 8	11.0 13.0		ML	Similar to above, without plastic, with wood fragments PID = 0.0/0.0 ppm		5		10	35	50				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	74.0
Rock Cored (ft)	20.0
Samples	S20, C4

Boring No. C18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C18

File No. 12486-515

Sheet No. 2 of 6

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 1 1	S8 11	13.0 15.0		SP	Very loose gray-brown poorly graded SAND (SP), mps 0.5 in., no structure, slightly smoky odor, moist to wet, 20% cinders and ash, with crushed brick and glass, with wood fragments PID = 0.0/0.0 ppm -FILL-		5	30	40	20	5				
15	2 2 3 2	S9 0	15.0 17.0			Note: No recovery.										
	1 2 2 2	S10 0	17.0 19.0			Note: No recovery. Overdrove 3-in. spoon to 19.0 ft.										
				2.0 19.0												
	1 1 1 1	S11 9	19.0 21.0		MH	Very soft dark gray to black SILT (MH), mps <1 mm, no structure, petroleum-like odor, wet, some organics, wood fragments and shell fragments, black sheen look with staining PID = 0.0/16.3 ppm				5	5	95				
20	2 1 3 2	S12 8	21.0 23.0		ML	Similar to above except soft, mps 0.75 in. PID = 0.0/9.7 ppm -HYDRAULIC FILL-		5		5	5	85				
					CL	S13 top 2.0 in.: Soft gray lean CLAY (CL), 50% silt, mps <1 mm, no structure, organic odor, wet, with shell fragments PID = 0.0/0.0 ppm					5	95				
	WOH/12" 1	S13 24	23.0 25.0	-2.2 23.2	OL	S13 bottom 22.0 in.: Soft olive brown ORGANIC CLAY (OL), with frequent pockets of peat, distinct organic odor, wet PID = 0.0/0.0 ppm					5	95				
25						-ORGANIC DEPOSITS-										
	WOH/12" 1 1	S14 23	29.0 31.0		OL	Soft gray ORGANIC CLAY (OL), mps <1 mm, organic odor, with shell fragments, occasional pockets of peat						100				
30																

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C18

File No. 12486-515
Sheet No. 3 of 6

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
35	1 1 1 1	S15 4	34.0 36.0		OL/ PT	Very soft gray ORGANIC CLAY interbedded with brown PEAT (OL/PT), mps <1 mm, wet, distinct organic odor, with shell fragments						100				
						-ORGANIC DEPOSITS-										
					OL	S16 top 2.0 in.: Soft gray ORGANIC CLAY (OL), mps <1 mm, organic odor, with shell fragments, trace peat					5	95				
40	2 4 5 8	S16 22	39.0 41.0	-18.2 39.2	CL	S16 bottom 20.0 in.: Medium stiff to stiff olive-gray lean CLAY (CL), mps <1 mm, wet, frequent pockets of brown silt					5	95				
45						-MARINE DEPOSITS-										
50	WOH/18" 2	S17 22	49.0 51.0		CL	Soft olive-gray lean CLAY (CL), mps <1 mm, no odor, wet						100				

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C18

File No. 12486-515
Sheet No. 4 of 6

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
55						-MARINE DEPOSITS-										
				-36.0 57.0		Note: Drilling action indicated stratum change at approximately 57.0 ft.										
60	21 33 15 15	S18 14	59.0 61.0		ML	Dense olive-gray sandy SILT with gravel (ML), mps 1.0 in., moist	10	10	10	10	5	55				
						-GLACIAL TILL-										
65	18 25 44 75	S19 12	64.0 66.0		SM	Very dense olive-gray silty SAND with gravel (SM), mps 1.0 in., moist	10	10	5	15	20	40				
70	25 40 38 43	S20 5	69.0 71.0		ML	Very dense-olive gray sandy SILT (ML), mps 0.75 in., moist	20		10	15	55					

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C18

File No. 12486-515

Sheet No. 5 of 6

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
						-GLACIAL TILL-										
						Note: Drill action indicates bedrock at 73.0 ft.										
				-52.0		TOP OF BEDROCK 73.0 FT										
				73.0		Note: Advance borehole to 74.0 ft prior to core run C1.										
						SEE CORE BORING REPORT FOR ROCK DETAILS										
75																
80																
85																
90																

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C18

HALEY & ALDRICH

CORE BORING REPORT

Boring No. C18
File No. 12486-515
Sheet No. 6 of 6

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	3	C1	74.0 79.0	51 22	85 37	Slight		Moderately hard, slightly weathered, gray aphanitic ARGILLITE with very thin bedding, low to moderately dipping. Low to moderate angle joints parallel to bedding, close to moderately spaced, smooth, planar, discolored, tight to open.
75	3							
	3							
	3							
	3							
	3	C2	79.0 84.0	60 26	100 43	Slight		Moderately hard, slightly weathered gray aphanitic ARGILLITE, bedding very thin, low to moderately dipping. Low to moderate angle joints, parallel to bedding, close to moderately spaced, smooth, planar, discolored, tight to open. Vertical angle joints, moderately spaced, smooth, undulating, discolored, tight to open
80	3							
	3							
	3							-BEDROCK-
	3							
	3	C3	84.0 89.0	55 41	92 68	Slight		Moderately hard slightly weathered gray aphanitic ARGILLITE, bedding very thin, low to moderately dipping. Low to moderate angle joints, parallel to bedding, close to moderately spaced, smooth, planar, discolored, tight to open.
85	3							
	3							
	3							
	3							
	3	C4	89.0 94.0	60 31	100 52	Slight		Moderately hard, slightly weathered gray aphanitic ARGILLITE bedding, very thin, low to moderately dipping. Low to moderate angle joints parallel to bedding, close to moderately spaced, smooth, planar, discolored, tight to open.
90	3							
	3							
	3							
	3						-73.0 94.0	BOTTOM OF EXPLORATION 94.0 FT
95								Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C19

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW Drive to 20.0 ft
				Hoist/Hammer: Automatic Hammer
				PID Make & Model:

File No.	12486-515
Sheet No.	1 of 2
Start	July 2, 2010
Finish	July 2, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	21.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	22	S1 4	0.0 1.0	20.6 0.4		-PROCESSED GRAVEL-										
					CL	Medium dense olive gray sandy lean CLAY (CL), mps 1.5 in., no structure, no odor, moist, with crushed brick, wood fragments, glass and plastics. PID = 0.0/0.0 ppm	5	5	5	10	20	55				
	10 4 5 5	S2 13	1.0 3.0		CL	Loose gray brown sandy lean CLAY (CL), 40% silt, mps 1.2 in., no structure, no odor, moist, with crushed brick and wood fragment PID = 0.0/0.0 ppm	5	5	5	10	15	60				
						-FILL-										
	10 19 17 102	S3 10	3.0 5.0		CL	S3 top 5.0 in.: Similar to above PID = 0.0/0.0 ppm	5	5	5	10	15	60				
						Note: Approximate former ground surface.										
				16.3 4.7		-ASPHALT EM-1 CAP-										
5	19 31 24 26	S4 20	5.0 7.0	15.9 5.1	SM	Dense dark brown silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, moist, with wood fragment, crushed brick, glass and ceramic PID = 0.0/0.0 ppm	5	10	10	25	30	20				
	18 8 15 9	S5 19	7.0 9.0		SM	Similar to above except medium dense, mps 1.0 in., and 10% crushed brick										
						-FILL-										
10	14 6 4 4	S6 14	9.0 11.0		SM	Loose dark brown silty SAND with gravel (SM), 25% cinders and ash, mps 0.75 in., no structure, no odor, moist, with trace cinders and ash, crushed brick, glass and wood fragments PID = 0.0/0.0 ppm		15	5	25	30	25				
	7 5 2 2	S7 13	11.0 13.0		ML	Very loose dark brown sandy SILT (ML), 40% cinders and ash, mps 0.5 in., no structure, smoky odor, moist, with glass, crushed brick and wood fragments PID = 0.0/0.0 ppm		10	5	10	20	55				
	2 1 1 1	S8 0	13.0 15.0			Note: No recovery. Overdrove 3-in. spoon. Gray cinders and ash, intermixed with gray brown poorly graded sand (30%), mps 0.75 in., no structure, smoky odor, wet, with crushed brick PID = 0.0/0.0 ppm										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S13

Boring No. C19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C19

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 1	S9 0	15.0 17.0			Note: No recovery. Overdrove 3-in. spoon. Dark gray SAND intermixed with cinders and ash PID = 0.0/0.0 ppm -FILL-										
	WOH/6" 1 1 1	S10 9	17.0 19.0	4.0 17.0	CL	Very soft olive gray lean CLAY (CL), mps <1 mm, no structure, slight organic odor, wet, little organic, occasional fine sand parting PID = 0.0/0.0 ppm				5	5	90				
20	1 1 1 1	S11 13	19.0 21.0		CL	Similar to above, with shell fragments PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
	WOH/12" 1 1	S12 10	21.0 23.0		CL	Similar to above										
	1 1 1	S13 24	23.0 25.0	-2.5 23.5	CL/OL	S13 top 6.0 in.: Soft lean gray CLAY (CL) intermixed with soft ORGANIC CLAY (OL), mps <1 mm, no structure, organic odor, wet										
					OL/OH	S13 bottom 13.0 in.: Olive brown ORGANIC SOIL (OL/OH), with frequent pockets of peat PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-										
25				-4.0 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C19

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C20(OW)

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 12, 2010
Finish	July 13, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-PROCESSED GRAVEL-										
	12 13 10 9	S1 14	0.6 2.6	20.0 0.6	CL	Medium dense gray-brown sandy lean CLAY with gravel (CL), mps 1.0 in., no structure, no odor, moist, 40% wood pieces PID = 0.0/0.0 ppm	5	10		15	15	55				
	6 7 9 4	S2 8	2.6 4.6		CL	Similar to above except mps 0.75 in., trace amounts of wood particle PID = 0.0/0.0 ppm		10	5	15	15	55				
						-FILL-										
5	14 68 29 18	S3 17	4.6 6.6		CL	S3 top 5.0 in.: Similar to above PID = 0.0/0.0 ppm		10		15	15	80				
				15.1 5.5		Note: Approximate former ground surface.										
						-ASPHALT CAP-										
	20 16 13 14	S4 19	6.6 8.6	14.5 6.1	SP SM SM	S3 lower middle 4.0 in.: Dense gray poorly graded SAND with gravel (SP), mps 0.75 in., no structure, no odor, moist S3 bottom 3.0 in.: Dense dark brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, 30% crushed brick, with glass and wood particles S4: Similar to above except 20% crushed brick and wood fragments PID = 0.0/0.0 ppm		20 5 5	30 15 10	30 30 25	15 35 35	5 25 25				
	5 5 5 6	S5 9	8.6 10.6		SP	Medium dense gray-brown poorly graded SAND (SP), mps 0.5 in., no structure, slightly smoky odor, moist, 25% cinders and ash, with crushed brick and wood particles PID = 0.0/0.0 ppm		5	35	35	20	5				
10						-FILL-										
	3 4 3 4	S6 13	10.6 12.6		SP	Loose dark brown poorly graded SAND (SP), mps 1.0 in., no structure, smoky odor, moist to wet, 40% cinders and ash, with crushed brick, slag, glass, ceramic, and plastic fragments PID = 0.0/0.0 ppm	5	5	25	40	20	5				
	2 2 3 2	S7 0	12.6 14.6		SM	Note: No recovery. 2-in. piece of gravel lodged in spoon; overdrove 3-in. spoon. Loose dark brown silty SAND (SM), mps 2.0 in., wet, with crushed brick, slag, ceramic, glass and metal PID = 0.0/0.0 ppm	5	5	10	10	40	30				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.6
Rock Cored (ft)	-
Samples	S12

Boring No. C20(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

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TEST BORING REPORT

Boring No. C20(OW)

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 2 2 2	S8 4	14.6 16.6			SP/ ML	Very loose dark brown poorly graded SAND (SP) intermixed with olive-gray SILT (ML), mps 1.0 in., no structure, slightly smoky odor, wet, 25% cinders and ash, with glass, ceramic, metal, crushed brick, and wood fragments PID = 0.0/0.0 ppm	5 5	5 5	25	40 5	20 5	5 80				
	1 2 2 3	S9 4	16.6 18.6			SP/ ML	Similar to above except mps 0.5 in. Note: Overdrove 3-in. spoon to 18.6 ft. PID = 0.0/0.0 ppm	5 5	5 5	25	40 5	20 5	5 80				
							-FILL-										
					2.0 18.6	CL	Very soft olive-gray lean CLAY (CL), mps 0.5 in., no structure, no odor, wet, with occasional pockets of sand, frequent silt partings, with crushed brick and trace organics PID = 0.0/0.0 ppm		5		5	5	85				
20	1 1 1 1	S10 23	18.6 20.6														
	WOH/6" 1 1 1	S11 23	20.6 22.6			CL	Similar to above except mps <1 mm PID = 0.0/0.0 ppm				5	5	90				
							-HYDRAULIC FILL-										
	WOH/12" 1 1	S12 23	22.6 24.6			CL	S12 top 17.0 in.: Similar to above PID = 0.0/0.0 ppm				5	5	90				
					-3.4 24.0 -4.0 24.6	OL/ OH	S12 bottom 6.0 in.: Soft olive-brown ORGANIC SOIL (OL/OH), trace peat, distinct organic odor -ORGANIC DEPOSITS-					5	95				

BOTTOM OF EXPLORATION 24.6 FT

Note: Observation well installed in completed borehole.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C20(OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D7

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 8, 2010
Finish	June 8, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	18.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0		-GRAVEL-										
	4 5 78 94	S1 19	0.5 2.5	0.5 17.2	GW-GM	Loose olive-gray GRAVEL with silt and sand (GW-GM), trace clay, mps 2.0 in., no structure, no odor, moist -FILL- PID = 0.0/0.0 ppm	20	30	10	10	20	10				
				1.3		Note: Approximate former ground surface.										
				16.4		-ASPHALT CAP-										
	56 59 79 100/3"	S2 15	2.5 4.5	2.1	SP-SM	S1 bottom 4.0 in.: Very dense crushed concrete, little gravel, little sand, mps 0.25 in. S2: Dense brown SAND with silt and gravel (SP-SM), crushed concrete, crushed brick, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	15	15	15	35	10				
5	20 47 52 19	S3 18	4.5 6.5		SM	Dense brown silty SAND with gravel (SM), trace crushed brick, mps 1.0 in., no structure, no odor, moist -FILL-	10	20	10	10	30	20				
	21 10 15 20	S4 24	6.5 8.5		SP	S4 top 12.0 in.: Gray-brown poorly graded SAND with gravel (SP), crushed brick, ash, mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	15	10	20	35	5				
					ML	S4 bottom 12.0 in.: Medium dense sandy SILT (ML), crushed red brick, ash, cinder, mps 0.1 in., no structure, no odor, moist			5	5	25	65				
	6 4 2 2	S5 16	8.5 10.5		SP	Loose gray poorly graded SAND (SP), 50% ash and cinders, crushed red brick, trace gravel, mps 0.3 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	10	10	70	5				
10	2 1 1 1	S6 19	10.5 12.5			Very loose gray-brown cinders and ash, little sand, trace gravel, mps 0.5 in., no odor, wet										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S12

Boring No. D7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D7

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 2	S7 15	12.5 14.5		SP	Very loose gray-brown poorly graded SAND (SP), 40% cinders and ash, crushed red brick, trace gravel, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		10	10	30	45	5				
15	2 2 1 1	S8 1.5	14.5 16.5			One piece of gravel -FILL-										
	2 2 2 2	S9 3	16.5 18.5		SP	Note: Driller drove 3-in. spoon to 18.5 ft. Very loose poorly graded SAND (SP), little gravel, slag, ceramics, plastic, mps 1.0 in., no odor, petroleum-like odor, very wet PID = 0.0/10.2 ppm	5	15	20	30	30					
20	1 1 1 1	S10 1	18.5 20.5	-0.6 19.1	SP	Note: No recovery. Drove 3-in. spoon; 1-in. recovery. Poorly graded SAND (SP), trace gravel, slag, mps 0.3 in., strong petroleum-like odor, wet PID = 0.0/49.3 ppm		5	15	30	50					
	WOR 1 1 1	S11 19	20.5 22.5		SP OL	S11 top 7.0 in.: Very loose poorly graded SAND with gravel (SP), trace silt, cinders and ash, slag, ceramics, mps 0.5 in., no structure, petroleum-like odor, very wet PID = 0.0/67.3 ppm S11 bottom 12.0 in.: Soft olive-gray ORGANIC SILT (OL), trace sand, mps 0.1 in., no structure, strong petroleum-like odor, wet PID = 0.0/17.9 ppm	5	10	15	25	40 5	5 95				
	1 1 1 1	S12 23	22.5 24.5	-5.5 24.0	OL CL	S12 top: Olive-gray ORGANIC CLAY (OL), shell fragments, pockets of peat, petroleum-like odor PID = 0.0/16.8 ppm -HYDRAULIC FILL- S12 bottom 5.0 in.: Olive-gray lean CLAY (CL), mps < 1 mm PID = 0.0/9.5 ppm -MARINE DEPOSITS-						100				
				-6.5 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D7

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D8

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 7, 2010
Finish	June 8, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.7		-CRUSHED GRAVEL-										
	10	S1 8	0.5 1.4	0.5	CL	Stiff olive-brown lean sandy lean CLAY (CL), trace gravel, little organics, mps 1.0 in., no structure, slight organic odor		5	5	10	30	50				
	16 27 49 73	S2 23	1.4 3.4		CL	S2 top: Similar to above except dense										
				16.8		-FILL- Note: Approximate former ground surface.										
				2.4		-ASPHALT CAP-										
	53 46 29 64	S3 18	3.4 5.4	16.1 3.1	SP-SM SM	S2 bottom: Dense poorly graded SAND with silt and gravel (SP-SM), trace crushed brick, trace ash, mps 1.0 in., no structure, no odor S3: Dense dark brown silty SAND (SM), little gravel, crushed brick, trace ash, mps 1.5 in., no structure, no odor	10 5	35 5	10 5	10 15	25 40	10 30				
5	12 14 10 17	S4 16	5.4 7.4		SM	Medium dense brown silty SAND (SM), trace gravel, crushed brick, no structure, no odor -FILL-	5	5	10	15	40	25				
	9 8 8 10	S5 20	7.4 9.4		SP	S5 top 15.0 in.: Medium dense brown poorly graded SAND (SP), trace gravel, mps 0.75 in.	5	5	10	30	45	5				
					SM	S5 bottom 5.0 in.: Brown silty SAND (SM), trace gravel, 30% crushed red brick, mps 0.5 in., no structure, no odor		5	15	20	40	20				
10	7 5 5 4	S6 19	9.5 11.5		GM	S6 top 11.0 in.: Loose silty GRAVEL with sand (GP), mps 0.5 in., no structure, slight petroleum-like odor, wet	30	30	5	5	15	15				
					ML	S6 bottom 6.0 in.: Olive-gray sandy SILT (ML), trace clay										
	3 4 2 2	S7 11	11.5 13.5		GP-GM	Loose poorly graded GRAVEL with sand and silt (GP-GM), mps 1.0 in.	35	30		5	20	10				
	5 6 4 5	S8 12	13.5 15.5		GM	Loose sandy GRAVEL with silt and sand (GM), crushed brick, mps 0.75 in., petroleum-like odor, no structure, wet	15	40	5	5	25	10				
15	4 3 1 3	S9 13	15.5 17.5		GP	Loose black poorly graded GRAVEL with sand (GP), trace silt, slag, crushed brick, mps 0.5 in., no structure, strong petroleum-like odor, wet	30	40	5	5	15	5				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.5
Rock Cored (ft)	-
Samples	S13

Boring No. D8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

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TEST BORING REPORT

Boring No. D8

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 1 3 1	S10 14	17.5 19.5		OL GP	S10 top 4.0 in.: Soft black ORGANIC CLAY (OL), strong petroleum-like odor, wet S10 bottom 10.0 in.: Loose black poorly graded GRAVEL with sand (GP), slag, crushed brick, ceramic, mps 0.5 in., no structure, strong petroleum-like odor, wet	10	40	5	20	5 20	95 5				
				-0.3 19.5		-FILL-										
20	2 2 1 2	S11 14	19.5 21.5		OL/OH CL	S11 top 4.0 in.: Medium stiff black ORGANIC SILT (OL/OH), trace clay, petroleum-like odor, wet PID = 0.0/5.8 ppm S11 bottom 8.0 in.: Soft olive-gray CLAY (CL), trace organics, staining, trace sand				5	5 5	95 90				
	1 2 2 1	S12 22	21.5 23.5		OL/OH	S12: Soft dark gray and olive-gray ORGANIC SILT (OL/OH), trace clay, trace sand, trace fine gravel, shell fragments, light petroleum-like odor, wet PID = 0.0/1.2 ppm		5		5	5	85				
						-HYDRAULIC FILL-										
	WOR 1 1 1	S13 23	23.5 25.5	-5.0 24.2	OH OL/OH	S13 top 6.0 in.: Soft ORGANIC SILT (OH), trace sand, slight petroleum-like odor, wet S13 bottom 17.0 in.: Olive-gray ORGANIC SOIL (OL/OH), petroleum-like odor					10 5	90 95				
25				-6.3 25.5		-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 25.5 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D8

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D13

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start June 3, 2010
Finish June 7, 2010
Driller R. Eastwood
H&A Rep. Warren/Crawford
Elevation 21.2
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven 19.0 ft; HW Driven 5.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.8		-BLACK BITUMINOUS ASPHALT-										
	18 12/4"	S1* 10	0.4 1.2	0.4 20.2		-CRUSHED CONCRETE-										
	12 29 19 12	S2 15	1.2 3.2	1.0	SM SM	S1 bottom: Medium dense dark brown silty SAND with gravel (SM), trace brick fragments, cinders, mps 1.5 in., no structure, no odor, moist S2: Similar to above except gray	5 5	10 10	5 5	15 15	40 40	25 25				
						-FILL-										
	20 12 24 100/2"	S3 14	3.2 4.9	16.5	ML	Dense gray sandy SILT (ML), trace cinders, coal, asphalt and concrete fragments, mps 1.0 in., no structure, creosote-like odor, moist Note: Approximate former ground surface.	5	5	5	5	30	50				
5				4.7		-ASPHALT CAP-										
	55 80 42	S4 14	5.0 6.5	15.9 5.3		Intermixed crushed concrete and brick										
				14.7 6.5		Note: Obstruction from 6.5 to 7.0 ft.										
	38 49 100/0"	S5 10	7.2 8.2	13.0	SP	Very dense brown poorly graded SAND (SP) interbedded with pockets of loam			20	35	40	5				
				8.2		Note: Obstruction from 8.2 to 9.2 ft.										
10	8 15 15 4	S6 12	9.2 11.2	12.0 9.2		Medium dense brown silty SAND (SM), 50% cinders, ash			10	20	40	30				
						-FILL-										
	8 4 4 6	S7 2	11.2 13.2			Recovered one piece coarse gravel										
	4 3 3 1	S8 10	13.2 15.2			Loose gray to black cinders and ash, glass, metal, slag, no odor, wet										
15	1 1 2 2	S9 16	15.2 17.2			Very loose light gray cinders and ash, trace porcelain, no odor, wet										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/7/10					Not Observed

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.2
Rock Cored (ft) -
Samples S13

Boring No. D13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

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TEST BORING REPORT

Boring No. D13

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 2	S10 12	17.2 19.2			Loose black cinders, ash and glass fragments, no odor, wet -FILL-										
	4 4 1 2	S11 19	19.2 21.2	1.2												
20				20.0	CL	Medium stiff olive-gray lean CLAY (CL), trace silt, fine sand, mps <2 mm, no structure, no odor, wet					5	95				
	3 2 2 2	S12 18	21.2 23.2		CL	Similar to above except soft -HYDRAULIC FILL-					5	95				
	2 2 1 1	S13 13	23.2 25.2	-2.5	CL	Similar to above except soft					5	95				
				23.7	OL/OH	Gray ORGANIC SOIL (OL/OH), shell fragments -ORGANIC DEPOSITS-					10	90				
25				-4.0 25.2		BOTTOM OF EXPLORATION 25.2 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 3, 2010
Finish	June 3, 2010
Driller	R. Eastwood
H&A Rep.	D. Warren
Elevation	21.1
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.6		-BLACK BITUMINOUS ASPHALT-										
				0.5		Medium dense gray crushed CONCRETE										
	14 12 16 12 9	S1 24	0.5 3.0	20.1 1.0	ML	Medium dense brown sandy SILT (ML), trace brick fragments, cinders, wood fragments, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm		10	5	5	30	50				
	10 10 8 6	S2 18	3.0 5.0		SM	Similar to above PID = 0.0/0.0 ppm										
						-FILL-										
5	12 42 52 50/1"	S3 14	5.0 6.6	15.6 5.5	SW-SM	S3 top: Very dense gray well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	15	10	50	10	10				
				15.1 6.0	SM	Note: Approximate former ground surface.		15	5	20	35	25				
						-BLACK BITUMINOUS ASPHALT-										
	14 19 15 17	S4 15	7.0 9.0		SM	S3 bottom: Very dense brown silty SAND with gravel (SM), trace asphalt, brick and concrete fragments, mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	5	10	15	40	25				
						Note: Drilled through obstruction from 6.0 to 7.0 ft. S4: Dense brown silty SAND (SM), 20% intermixed brick fragments, cinders, mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm										
10	15 11 8 7	S5 12	9.0 11.0		ML	Medium dense brown sandy SILT (ML), trace glass, porcelain, wire and metal fragments, mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm			5	4	15	75				
	8 4 4 3	S6 14	11.0 13.0			Loose brown-black intermixed porcelain, wood and metal fragments in a silty sand matrix PID = 0.0/0.0 ppm										
						-FILL-										
	5 2 2 7	S7 10	13.0 15.0			Loose gray intermixed cinders, ash and slag PID = 0.0/0.0 ppm										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/3/10					Not Observed

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.0
Rock Cored (ft)	-
Samples	S11

Boring No. D14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	16 6 7 4	S8 4	15.0 17.0			Similar to above except medium dense PID = 0.0/0.0 ppm -FILL-										
	6 6 7 4	S9 10	17.0 19.0			Similar to above PID = 0.0/0.0 ppm										
				2.1 19.0												
20	6 5 2 1	S10 18	19.0 21.0		OL/ OH-CL	Medium stiff black ORGANIC SOIL with sand (OL/OH), trace cinders, coal fragments, trace gray lean CLAY (CL) in irregular pockets, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm					15	85				
	2 2 1 1	S11 12	21.0 23.0			-HYDRAULIC FILL-										
				-0.9 22.0	OL/ OH	Very soft gray ORGANIC SOIL (OL/OH), trace shell fragments, peat fibers, mps <1 mm, no structure, no odor, moist PID = 0.0/0.0 ppm						100				
				-2.0 23.0		-ORGANIC DEPOSITS-										

BOTTOM OF EXPLORATION 23.0 FT

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 2, 2010
Finish	June 3, 2010
Driller	R. Eastwood
H&A Rep.	D. Warren
Elevation	21.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Spun to 19.0 ft; HW Driven to 4.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.8		-BLACK BITUMINOUS ASPHALT-										
	8 4	S1 7	0.4 1.2	0.4 20.2		-CRUSHED CONCRETE-										
	10 8 5 4	S2 14	1.2 3.2	1.0	ML ML	S1 bottom: Medium dense brown sandy SILT (ML), 10% asphalt, brick and concrete fragments, trace coal fragments, mps 1.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm S2: Similar to above -FILL- PID = 0.0/0.0 ppm	5 5	5 5	5 5	5 5	30 30	50 50				
	7 8 7 27	S3 7	3.2 5.2		SM	Medium dense gray silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet Note: Approximately 1.5-in. thick asphalt chunk noted in tip of spoon. PID = 0.0/0.0 ppm	10	10	15	30	20	15				
				16.4 4.8		Note: Approximate former ground surface.										
5				16.2 5.0		-ASPHALT CAP-										
	26 29 100/0"	S4 8	5.2 6.2		ML	Very dense gray crushed CONCRETE grading to brown sandy SILT (ML), trace cinders, slag Note: Spoon refusal at 6.2 ft. Drilled through probable concrete from approximately 6.0 to 8.0 ft. PID = 0.0/0.0 ppm		10	5	10	25	50				
	16 3 2 2	S5 14	8.2 10.2		SM	Loose mottled orange-brown to dark brown silty SAND (SM) intermixed with 50% cinders, slag, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm Note: Losing all water at approximately 10.0 ft.		5	5	20	40	30				
10	5 2 1 3	S6 4	10.2 12.2			Loose gray-brown intermixed cinders and slag -FILL-										
	5 4 1 1	S7 4	12.2 14.2		SW	Loose gray-brown well-graded SAND (SW) intermixed with 50% cinders, slag PID = 0.0/0.0 ppm			20	50	30					
15	6 7 4 4	S8 12	14.2 16.2		SM	Medium dense dark brown to black silty SAND (SM) intermixed with 40% cinders, ash, slag, trace glass fragments, mps 0.25 in,. no structure, no odor, moist PID = 0.0/0.0 ppm		5	10	20	30	35				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/2/10					Not Observed

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.2
Rock Cored (ft)	-
Samples	S12

Boring No. D15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 4 2 1	S9 10	16.2 18.2			Similar to above except with trace roofing paper scraps PID = 0.0/0.0 ppm -FILL-		5	10	20	30	35				
	4 3 2 2	S10 18	18.2 20.2	2.2	SM	Similar to above PID = 0.0/0.0 ppm		5	10	20	30	35				
20				19.0	CL/SM	Medium stiff gray lean CLAY (CL) intermixed with irregular pockets of silty SAND (SM), trace glass fragments, mps < 1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm				10	15	75				
	4 4 3 3	S11 16	20.2 22.2		CL/SM	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-				10	15	75				
	2 3 4 3	S12 18	22.2 24.2	-2.0 23.2	CL/SM	Similar to above except intermixed with seams of black ORGANIC SOIL (OL/OH), slight petroleum-like odor PID = 0.0/0.0 ppm				10	15	75				
				-3.0 24.2	OL/OH	Medium stiff gray ORGANIC SOIL (OL/OH), trace shell fragments, mps < 1 mm, no structure, organic odor, wet -ORGANIC DEPOSITS-						100				

BOTTOM OF EXPLORATION 24.2 FT

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 2, 2010
Finish	June 3, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	21.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 23.0 Ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.7		-ASPHALT-										
	21	S1 4	0.5 1.2	0.5	SW-SM	Medium dense gray-brown well-graded SAND with silt and gravel (SW-SM), trace brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	10	10	15	30	25	10				
	24 17 10 4	S2 8	1.2 3.2		SW-SM	S2: Similar to above PID = 0.0 ppm	10	10	15	30	25	10				
						-FILL-										
	3 6 100/4"	S3 6	3.2 4.6		SW-SM	Similar to above except very dense Note: Asphalt in tip of spoon. PID = 0.0 ppm	5	10	25	30	20	10				
				16.6 4.6		Note: Approximate former ground surface.										
5				16.0		-ASPHALT CAP-										
	33 54 53 42	S4 12	5.2 7.2	5.2	SW-SM	Very dense brown to red-brown well-graded SAND with silt and gravel (SW-SM), 10% brick, wood, mps 1.0 in., mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	10	10	15	30	25	10				
	16 43 21 13	S5 12	7.2 9.2		SW	Very dense brown well-graded SAND with gravel (SW), trace cinders, brick, wood, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	10	10	25	30	20	5				
10	15 8 6 9	NR 0	9.2 11.2			Note: No recovery. Gravel lodged in tip of spoon. Overdrove 3-in. spoon. Recovery similar to above.										
						-FILL-										
	6 7 8 6	S6 8	11.2 13.2		SM	Medium dense dark brown to gray-brown silty SAND with gravel (SM), 10% brick, cinders, wood, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	10	10	15	20	25	20				
	5 3 3 4	S7 6	13.2 15.2		SM	Loose brown silty SAND (SM), 20% cinders, brick, miscellaneous debris, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	5	20	20	30	20				
15	3 3 8 6	S8 4	15.2 17.2		SM	Similar to above except medium dense PID = 0.0 ppm	5	5	15	25	30	20				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/3/10	0845	0.25	23.0	25.2	5.3*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.2
Rock Cored (ft)	-
Samples	S12

Boring No. D17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D17

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 6 6 8	S9 14	17.2 19.2		SM	Medium dense brown to gray-brown silty SAND (SM), 20% brick, cinder, wood, glass, mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm -FILL-	5	5	10	15	35	30				
				2.0 19.2												
20	3 2 3 4	S10 20	19.2 21.2		CL	Medium stiff gray-green sandy lean CLAY with gravel (CL), trace brick, cinders, wood, glass, mps 0.5 in., no structure, faint petroleum-like odor, wet PID = 2.8 ppm	5	10	5	5	25	50				
	3 3 3 3	S11 20	21.2 23.2		CL	Medium stiff gray sandy lean CLAY (CL), trace brick, wood, cinders, mps 0.25 in., no odor, wet, reworked PID = 1.3 ppm -HYDRAULIC FILL-		5	5	10	20	60				
				-2.0 23.2												
	1 2 2 2	S12 24	23.2 25.2		OL/ OH	Soft brown sandy ORGANIC SOIL (OL/OH), occasional pockets of peat, mps 0.25 in., strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-					10	90				
25				-4.0 25.2		BOTTOM OF EXPLORATION 25.2 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 3, 2010
Finish	June 3, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	21.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-ASPHALT-										
	16 13 13	S1 8	0.5 2.0	0.5	SW-SM	Medium dense brown well-graded SAND with silt and gravel (SW-SM), trace brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	10	20	45	10				
	12 6 4 100/4"	S2 6	2.0 3.9		SW-SM	Similar to above PID = 0.0 ppm	5	10	15	25	35	10				
						-FILL-										
				17.1		Note: Approximate former ground surface.										
				3.9 16.4		-ASPHALT CAP-										
				4.6		-FILL-										
5	29 46 100/1"	S3 6	5.0 6.1		SM	Very dense gray-brown silty SAND with gravel (SM), trace brick, concrete, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	15	25	25	20				
				14.9 6.1		Note: Spun HW casing to 11.0 ft through granite blocks.										
						-GRANITE BLOCKS-										
10				10.5 10.5												
	18 16 18 7	S4 8	11.0 13.0		SM	Dense yellow-brown silty SAND with gravel (SM), 25% cinders, ash, brick, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	15	20	25	25				
	6 3 3 3	S5 10	13.0 15.0		SM	Loose gray silty SAND with gravel (SM), 20% cinder, ash, brick, mps 0.75 in., no structure, no odor, wet PID = 0.0 ppm	5	10	10	20	30	25				
15	1 2 2 2	S6 6	15.0 17.0		SM	Similar to above PID = 0.0 ppm	5	10	10	20	30	25				
						-FILL-										
	3 1 2 5	S7 12	17.0 19.0	4.0 17.0	CL	Soft gray-brown lean CLAY with sand (CL), trace cinders, wood, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	5	15	75				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/3/10	1345	0.25	19.0	25.0	13.7

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S10

Boring No. D18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D18

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	5 5 5 6	S8 10	19.0 21.0		CL	Similar to above except medium stiff PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
	2 3 3 4	S9 10	21.0 23.0		OL/ OH	Medium stiff brown sandy ORGANIC SOIL (OL/OH), irregular pockets of fine to medium sand, mps 0.25 in., organic odor, wet, appears reworked PID = 0.0 ppm				10	20	70				
	6 4 5 4	S10 18	23.0 25.0	-2.0 23.0	OL/ OH	Medium stiff brown with gray-brown ORGANIC SOIL (OL/OH), frequent pockets of peat, trace shell fragments, mps < 2 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-4.0 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D19

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 2, 2010
Finish	June 3, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	20.8
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.4		-ASPHALT-										
	8	S1	0.4	0.4	GP	Medium dense gray poorly graded GRAVEL (GP), mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	10	70	10	5	5					
	7 4		0.8													
	7 6 5	S2 9	0.8 2.8		ML	S2: Medium dense gray sandy SILT (ML), trace brick, mps 0.5 in., bonded, no odor, moist PID = 0.0 ppm			5	5	10	80				
	12 28 59 64	S3 12	2.8 4.8		ML	S3: Similar to above except very dense Note: Gravel in spoon tip. PID = 0.0 ppm			5 5	5 5	10 10	80 80				
				16.0		-FILL-										
5	23 100/3"	S4 5	4.8 5.3	4.8 15.7		-ASPHALT-										
				5.1 15.4	GP GP	Very dense gray poorly graded GRAVEL (GP), mps 1-3/8 in., no structure, no odor, wet										
				5.4		Note: Granite cobblestones from 5.4 to 16.0 ft.										
10						-GRANITE BLOCKS-										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/3/10		0.25	16.0	24.0	4.7

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S8

Boring No. D19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D19

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15						-GRANITE BLOCKS-										
				4.8 16.0												
	4 2 3 5	S5 9	16.0 18.0		SP	Loose gray poorly graded SAND (SP), trace cinder, brick, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm			35	40	25					
						-FILL-										
				2.8 18.0												
	2 1 3 2	S6 4	18.0 20.0			-HYDRAULIC FILL-										
20	1 2 1 2	S7 14	20.0 22.0		CL	Soft gray sandy lean CLAY (CL), mps 5 mm, no structure, no odor, moist PID = 0.0 ppm				5	10	85	N	M	M	
	4 4 8 5	S8 24	22.0 24.0		CL	Similar to above except stiff, occasional peat interbeds PID = 0.0 ppm				5	10	85	N	M	M	
				-3.2 24.0		BOTTOM OF EXPLORATION 24.0 FT										
						Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E7(OW)

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start June 29, 2010
Finish June 29, 2010
Driller J. Galvin
H&A Rep. O. Lawlor
Elevation 18.5
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 190 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0		GRAVEL										
	9 23 35 39	S1 17	0.5 2.5	0.5	SM	Dense gray silty SAND (SM), mps 1.0 in., trace brick, bonded, no odor, moist PID = 0.0 ppm -FILL-		5	30	25	20	20				
				16.5 2.0		Note: Approximate former ground surface.										
				16.1 2.4		-ASPHALT CAP-										
	100/2"	NR	2.5 2.7			Note: Drilled through cobbles/brick from 2.7 to 4.5 ft										
				14.0 4.5												
5	25 46 48 43	S2 20	4.5 6.5		ML	Very yellow sandy SILT (ML), mps 5.0 mm, mottled layering, occasional sand pockets, no odor, moist PID = 0.0 ppm			5	5	35	55				
	35 32 20 10	S3 17	6.5 8.5		ML	Similar to above PID = 0.0 ppm -FILL-			5	5	35	55				
				10.0 8.5												
10	10 11 9 9	S4 18	8.5 10.5		GP	Medium dense gray poorly graded GRAVEL (GP) with sand, mps 0.25 in., 40% cinder, no structure, no odor, wet PID = 0.4 ppm	5	70	10	10	5					
	3 3 2 3	S5 6	10.5 12.5		GP	Similar to above except loose, 20% cinders PID = 1.8 ppm -FILL-	5	70	10	10	5					
	2 3 3 2	S6 9	12.5 14.5		GP	Similar to above PID = 2.2 ppm	5	70	10	10	5					
				4.0 14.5												
15	2 2 2 2	S7 13	14.5 16.5		CL	Soft gray sandy CLAY (CL), mps 0.25 in., no structure, fuel oil odor, wet PID = 4.8 ppm -HYDRAULIC FILL-		5	10	15	15	55				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/28/10		0	12.5	14.5	10.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 22.5
Rock Cored (ft) -
Samples S10

Boring No. E7(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E7(OW)

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 2 2	S8 8	16.5 18.5			CL	Similar to above except very soft PID = 7.3 ppm										
	2 3 3 2	S9 20	18.5 20.5			CL	Medium stiff gray CLAY (CL), mps 5.0 mm, no structure, fuel oil odor, moist PID = 6.1 ppm					5	95				
20	4 4 4 4	S10 11	20.5 22.5			CL	Similar to above except slight fuel oil odor PID = 5.2 ppm -HYDRAULIC FILL-					5	95				
					-4.0 22.5		BOTTOM OF EXPLORATION 22.5 FT Note: Observation well installed in completed borehole.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. E7(OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E8

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 7, 2010
Finish	June 7, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-FILL-										
	4 7 10 91	S1 22	1.0 3.0		SM	Loose dark brown silty SAND (SM), little crushed red brick, trace organics, mps 1.5 in., no odor		5	10	20	40	25				
				16.6 2.8		Note: Approximate former ground surface.										
	36 110	S2 10	3.0 4.0			-ASPHALT CAP-										
				15.7 3.7		S2 bottom: Loose gray crushed concrete Note: Refusal. Drove 3-in. spoon to 5.0 ft.										
5	13 14 11 12	S3 10	5.0 7.0		SM	Medium dense brown silty SAND (SM), little crushed concrete, trace brick, trace wood, trace ceramics, no structure, no odor, moist		10	10	10	40	30				
	10 10 8 6	S4 8	7.0 9.0		SP	Loose brown poorly graded SAND (SP), trace fine gravel, mps 0.5 in., no structure, no odor, moist		5	10	40	40	5				
10	6 5 5 3	S5 13	9.0 11.0		SP	Loose brown poorly graded SAND (SP), trace gravel, 25% cinders, ash, mps 1.0 in., no structure, no odor, wet	5	5	10	35	40	5				
	11 13 10 9	S6 15	11.0 13.0		SP-SM	Medium dense brown poorly graded SAND with silt (SP-SM), trace crushed brick, mps 0.5 in., no structure, no odor, wet	5	5	10	30	40	10				
	2 2 1 1	S7 16	13.0 15.0		SP	50% gray cinders and ash, some sand, some gravel, trace crushed brick, very loose, mps 0.5 in., no structure, no odor, moist										
15						-FILL-										
	1 1 2 2	S8 16	17.0 19.0		GP	S8 top: Very loose gray-black poorly graded GRAVEL with sand (GP), mps 1.0 in., no structure, no odor, wet S8 bottom: Very loose cinders and ash	30	30	10	10	10	10				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S11

Boring No. E8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E8

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 2 1 1	S9 10	19.0 21.0			Very loose slag, cinders and ash, mps 2.0 in. -FILL-										
				-1.6 21.0												
	3 1 1 2	S10 22	21.0 23.0		CL	S10 top 7.0 in.: Gray-black slag, cinders, ash, trace sand, no structure, no odor, wet S10 mid 9.0 in.: Soft olive-gray CLAY (CL), trace organics, organic odor, wet					5	95				
				-3.6 23.0	OL/ OH	S10 bottom 8.0 in.: Black ORGANIC SILT (OL/OH)					10	90				
	1 1 1 1	S11 24	23.0 25.0		OL/ OH OL	S11 top 10 in.: Soft black ORGANIC SILT (OL/OH), shell fragments, trace gravel, trace sand, mps 1.0 in. S11 bottom 14.0 in.: Soft olive gray ORGANIC SOIL (OL), pockets of peat, organic odor, wet		5		5	5	85				
25				-5.6 25.0		-ORGANIC DEPOSITS-					5	95				

BOTTOM OF EXPLORATION 25.0 FT

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 4, 2010
Finish	June 4, 2010
Driller	B. Babcock
H&A Rep.	B. Babcock
Elevation	21.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	22 26	S1 6	0.5 1.5	0.5	SM	Dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	10	20	30	25				
	37 100/2"	S2 6	1.5 2.2	19.3 2.2	SM	Similar to above except very dense PID = 0.0 ppm	5	10	10	20	30	25				
						-FILL-										
						-RUBBLE FILL-										
5						Note: Approximate former ground surface.										
	100/2"	NR 0	5.5 5.6	16.0 5.5		Note: No recovery. 2.0 in. asphalt in tip of spoon.										
				15.0 6.5		-ASPHALT CAP-										
						-RUBBLE FILL-										
	100/5"	NR 0	7.5 7.9			Note: No recovery. Wood and gravel lodged in tip of spoon.										
10	77 47 38 34	S3 12	9.5 11.5	12.0 9.5	SW	Very dense light brown well-graded SAND with gravel (SW), trace cinders, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	10	35	35	5				
	27 40 100/5"	S4 10	11.5 12.9		SW	Similar to above PID = 0.0 ppm	5	10	15	35	35					
						-FILL-										
	20 15 10 20	S5 16	13.5 15.5		SM	Medium dense brown to dark brown silty SAND with gravel (SM), 15% cinders, glass, brick and miscellaneous debris, mps 0.5 in., no structure, no odor PID = 0.0 ppm	5	10	15	15	30	25				
15	11 8 7 9	S6 6	15.5 17.5		SM	Similar to above PID = 0.0 ppm	10	10	10	15	35	20				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/7/10	0823	0.25	19.0	25.5	9.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.5
Rock Cored (ft)	-
Samples	S10

Boring No. E13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E13

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	16 8 7 7	S7 6	17.5 19.5		SM	Similar to above -FILL-	10	10	10	25	25	20				
				2.0 19.5												
20	13 5 7 7	S8 8	19.5 21.5		CL	Stiff gray lean CLAY with sand (CL), trace cinders, mps 0.25, no structure, no odor, wet PID = 0.0 ppm			5	5	10	80				
	12 8 8 12	S9 12	21.5 23.5		CL	Similar to above except very stiff, reworked PID = 0.0 ppm -HYDRAULIC FILL-				5	15	80				
25	3 3 6 8	S10 8	23.5 25.5		CL	Medium stiff gray lean CLAY with sand (CL), trace brick, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm				5	10	85				
				-4.0 25.5		BOTTOM OF EXPLORATION 25.5 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. E13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 3, 2010
Finish	June 7, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	21.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 24.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	23 14 11	S1 10	0.5 2.0	0.4	ML	Medium dense gray sandy SILT (ML), mps 0.5 in., bonded, no odor, moist PID = 0.0 ppm		10	5	10	20	35				
	7 6 5 6	S2 8	2.0 4.0		ML	Similar to above except trace cinder and brick PID = 0.0 ppm		10	5	10	20	55				
						-FILL-										
	3 7 10 17	S3 9	4.0 6.0		ML	Similar to above PID = 0.0 ppm		10	5	10	20	55				
5						Note: Approximate former ground surface.										
				15.4 6.0		-ASPHALT CAP-										
	100/3"	S4 2	6.0 8.0	15.1 6.3		Note: Drilled through concrete from 6.3 to 7.9 ft. -CONCRETE-										
	14 22 27 28	S5 7	8.0 10.0	13.5 7.9	SM	Very dense dark brown silty SAND with gravel (SM) intermixed with 40% brick, cinder, urban debris, mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm	10	25	25	20	5	15				
10	19 15 3 3	S6 5	10.0 12.0		SM	Similar to above except medium dense, trace wood PID = 0.0 ppm	10	20	30	20	5	15				
						-FILL-										
	19 7 10 9	S7 8	12.0 14.0		GP	Medium dense gray poorly graded GRAVEL with sand (GP) intermixed with 15% cinder, brick, mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm	10	40	30	10	10					
15	3 2 2 2	S8 9	14.0 16.0		GP	Similar to above except very loose PID = 0.0 ppm	10	40	30	10	10					
	4 2 3 2	S9 12	16.0 18.0	5.4 16.0	OL/OH	Medium stiff black ORGANIC SOIL with sand (OL/OH), mps 0.25 in., no structure, organic odor, moist PID = 0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
	2 3 4 7	S10 20	18.0 20.0	3.4 18.0	CL	Medium stiff gray lean CLAY with sand (CL), occasional organic silt pockets, mps 5 mm, no structure, no odor, moist PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/7/10		0.25	20.0	26.0	2.8

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. E14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	4 2 3 4	S11 4	20.0 22.0		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-			5	5	5	85				
	4 3 3 4	S12 5	22.0 24.0		CL	Similar to above PID = 0.0 ppm			5	5	5	85				
				-2.6 24.0												
	3 3 3 3	S13 10	24.0 26.0		OL/ OH	Medium stiff gray ORGANIC SOIL with sand (OL/OH), occasional sand partings, mps 5 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-			5	5	5	85				
25				-4.6 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. E14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F7

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 7, 2010
Finish	June 7, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	18.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0		-GRAVEL-										
	9 31 18 7	S1 14	0.4 2.4	0.4	SM	Dense gray-brown silty SAND with gravel (SM), trace brick, wood, metal, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	10	15	35	25				
						-FILL-										
	12 22 20 15	S2 12	2.4 4.4		SM	Similar to above PID = 0.0 ppm	5	10	10	15	35	25				
						Note: Approximate former ground surface.										
				14.0												
5	8 35 37 31	S3 8	4.4 6.4	4.4	SP-SM	Very dense orange-brown poorly graded SAND with silt and gravel (SP-SM), mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	5	5	65	10				
	23 15 14 11	S4 16	6.4 8.4		SP-SM	Similar to above except medium dense PID = 0.0 ppm	5	10	5	5	65	10				
						-FILL-										
	7 6 4 6	S5 12	8.4 10.4		SM	Loose orange-brown silty SAND (SM), trace cinders, mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm					60	40				
10				8.0												
	21 10 8 3	S6 6	10.4 12.4	10.4	SW-SM	Medium dense gray well-graded SAND with silt and gravel (SW-SM), 20% ash, cinders, slag, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	20	30	25	10				
	3 3 2 1	S7 8	12.4 14.4		SW-SM	Similar to above except loose PID = 0.0 ppm	5	10	20	30	25	10				
						-FILL-										
15	3 3 3 3	S8 4	14.4 16.4		SW-SM	Loose gray well-graded SAND with silt and gravel (SW-SM), 25% ash, cinders, slag, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	15	20	35	15	10				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/7/10	1300	0.5	20	24	8.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.4
Rock Cored (ft)	-
Samples	S12

Boring No. F7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F7

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 1 3	S9 4	16.4 18.4		SW-SM	Similar to above PID = 0.0 ppm -FILL-	5	10	20	35	20	10				
				0.0 18.4												
	7 3 6 5	S10 20	18.4 20.4		CL	Stiff gray lean CLAY with sand (CL), mps 5 mm, no odor, wet, reworked PID = 0.0 ppm					15	85				
20																
	6 5 6 6	S11 22	20.4 22.4		OL/OH	Stiff brown sandy ORGANIC SOIL (OL/OH), irregular pockets of peat, mps 0.25 in., organic odor, wet, reworked PID = 0.0 ppm -HYDRAULIC FILL-			5	5	20	70				
				-4.0 22.4												
	2 2 4 2	S12 24	22.4 24.4		OL/OH	Medium stiff brown ORGANIC SOIL (OL/OH), occasional pockets of peat, trace shells, mps <2 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 24.4		BOTTOM OF EXPLORATION 24.4 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. F7

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F8

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 4
Start June 28, 2010
Finish June 30, 2010
Driller J. Galvin
H&A Rep. O. Lawlor
Elevation 18.9
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NQ/HQ
Inside Diameter (in.)	4/3	1 3/8	2/2.5
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW to 86.5; HW to 25
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.4		-GRAVEL-										
	6 5 12	S1 17	0.5 2.0	0.5	ML	Loose olive sandy SILT (ML), mps 1.0 in., trace wood, brick, no structure, no odor, moist PID = 0.0 ppm			10	15	20	55				
				16.9		-FILL-										
	120/5"	S2 7	2.0 2.4	2.0 16.4		Note: Approximate former ground surface.										
				2.5		-ASPHALT CAP-										
						Note: Drill action indicates, brick, cobbles, from 2.5 to 4.0 ft PID = 0.0 ppm										
	44 70 75 64	S3 11	4.0 6.0		SP	Very dense gray poorly graded SAND with gravel (SP), mps 1-3/8 in., 50% brick, cinder, concrete, no structure, no odor, wet	5	10	45	25	15					
5	70 99 66 57	S4 10	6.0 8.0		SP	Similar to above PID = 0.9 ppm	5	10	45	25	15					
	27 19 18 19	S5 20	8.0 10.0	10.9 8.0	ML	Dense yellow brown SILT (ML) with sand, mps 0.25 in., no structure, no odor, moist PID = 0.7 ppm				5	15	80				
						-FILL-										
10	19 8 7 5	S6 16	10.0 12.0		ML	Similar to above except medium dense PID = 0.1 ppm				5	15	80				
	18 3 2 4	S7 3	12.0 14.0	6.9 12.0	GP	Loose gray poorly graded GRAVEL (GP) with sand, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm	5	60	20	10	5					
						-FILL-										
15	2 3 3 3	S8 8	14.0 16.0		SM	Loose gray silty SAND with gravel (SM), mps 0.25 in., no structure, slight fuel oil odor, wet PID = 4.9 ppm										
	3 3 3 3	S9 13	16.0 18.0	2.9 16.0	OL/OH	Medium stiff black ORGANIC SILT (OL/OH) with sand, mps 5.0 mm, no structure, slight fuel oil odor, wet PID = 3.1 ppm				5	10	85				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/30/10	0700	16	86.5	86.5	7.4

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 69.0
Rock Cored (ft) 20.0
Samples S10, C5

Boring No. F8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F8

File No. 12486-515

Sheet No. 2 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 3 3 4	S10 17	18.0 20.0			Similar to above PID = 0.9 ppm				5	10	85				
						-HYDRAULIC FILL-										
20	2 4 4 6	S11 24	20.0 22.0	-1.6 20.5	OL/OH	S11 top: Similar to above except soft PID = 0.0 ppm					5	95				
					OL/OH	S11 bottom: Medium stiff gray brown ORGANIC SILT (OL/OH), mps 50 mm, trace peat, occasional sand partings, organic odor, moist PID = 0.0 ppm					5	95				
	4 4 4 5	S12 24	22.0 24.0		OL/OH	Similar to above										
25	3 3 3 3	S13 10	24.0 26.0		OL/OH	Similar to above					5	95				
						-ORGANIC DEPOSITS-										
30	1 1 1 2	S14 24	29.0 31.0		OL/OH	Similar to above except very soft, trace shell					5	95				
35	3 4 37 10	S15 17	34.0 36.0		PT	Medium stiff dense brown silty PEAT (PT), trace gravel, mps 1-3/8 in., no structure, organic odor, moist					5	95				
				-17.1 36.0												
40	8 10 13 16	S16 20	39.0 41.0		CL	Very stiff mottled gray lean CLAY (CL), trace sand, mps 5.0 mm, occasional sand partings, no odor, moist					5	95	N	L	L	
						-MARINE DEPOSITS-										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F8

File No. 12486-515

Sheet No. 3 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
45						-MARINE DEPOSITS-										
				-28.1 47.0		Note: Drill action indicates stratum change at 47.0 ft										
						Note: Advance 3-in. casing to 49.0 ft.										
50	30 22 36 37	S17 11	49.0 51.0		GP-GM	Very dense olive gray poorly graded GRAVEL with silt (GP-GM), mps 1-3/8 in., no structure, no odor, wet	15	50	20	10	5	10				
						Note: Water loss during drilling, spun NW casing to 54.0 ft.										
55	23 34 60 46	S18 6	54.0 56.0			Very dense olive gray sandy SILT with gravel (ML), mps 0.25 in., bonded, no odor, moist	5	10	10	10	15	50				
						-GLACIAL TILL-										
60	18 13 16 19	S19 4	59.0 61.0		ML	Similar to above except medium dense	5	10	10	10	15	50				
65	72 100/4"	S20 7	64.0 64.8	-45.6 64.5	ML	S20 top 2.0 in.: Similar to above except very dense TOP OF BEDROCK 64.5 FT	5	10	10	10	15	50				
						S20 bottom 5.0 in.: WEATHERED ARGILLITE										
						Note: Spun NW casing to 69.0 ft prior to core run C1.										
70						SEE CORE BORING REPORT FOR ROCK DETAILS										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. F8

HALEY & ALDRICH

CORE BORING REPORT

Boring No. F8
File No. 12486-515
Sheet No. 4 of 4

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	3.75	C1	69.0 71.0	18 0	75 0	Moderate		Medium hard moderately weathered gray fine grained ARGILLITE. Bedding is very thin, dipping at low angles. Primary joint set is parallel to bedding, low angle, very close to close, smooth, planar, discolored, occasionally oxidized, tight.
70	3.5							
	3.25	C2	71.0 76.0	53 32	88 53	Slight		Similar to above except slightly weathered, occasional high angle quartz/calcite veins
	3.25							
	3.25							
	3.5							-BEDROCK-
75	3.5							
	3.25	C3	76.0 79.0	36 28	100 78	Slight		Similar to above
	3.25							
	3.25							
	3.25	C4	79.0 84.0	60 47	100 78	Slight to Fresh		Similar to above
80	3.5							
	3.5							
	3.5							
	3.5							
	3.5	C5	84.0 89.0	60 57	100 95	Fresh		Similar to above
85	3.75							
	3.5							
	3.5							
	3.5							
							-70.1 89.0	BOTTOM OF EXPLORATION 89.0 FT
90								Note: Borehole grouted to surface upon completion.

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G7

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 20.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 8, 2010
Finish	June 8, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	18.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	6 13 13 14	S1 16	0.0 2.0		SM	Medium dense gray-brown silty SAND with gravel (SM), trace brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm -FILL-	5	10	15	20	30	20				
	23 31 100/5"	S2 12	2.0 3.4		SM	Similar to above except very dense Note: 2.0 in. asphalt in tip of spoon. PID = 0.0 ppm Note: Approximate former ground surface.	5	10	15	20	30	20				
				14.6 3.4		-ASPHALT CAP-										
	100/2"	S3 2	4.0 4.4	14.0 4.0 13.6 4.4	SP-SM	Very dense gray to black poorly graded SAND with silt and gravel (SP-SM), soil fraction intermixed with asphalt pieces and fragments, mps 2.0 in., no structure, no odor, wet -FILL- PID = 0.0 ppm	5	10	5	5	65	10				
5				12.5 5.5		-RUBBLE FILL-										
	21 10 15 12	S4 12	6.0 8.0		SM	Medium dense orange-brown silty SAND (SM), mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm -FILL-			5	5	50	40				
	10 14 11 100/2"	S5 12	8.0 9.7		ML	Medium dense orange-brown to gray-brown sandy SILT (ML), mps 0.25 in., no structure, no odor, moist PID = 0.0 ppm			5	5	30	60				
				8.3 9.7		-RUBBLE FILL-										
10				7.0 11.0												
	14 7	NR 0	11.0 12.0			Note: No recovery. Gravel lodged in tip of spoon.										
	4 2 4 4	NR 0	12.0 14.0		GW	Note: No recovery. Similar to above. Overdrove 3-in. spoon from 11.0 to 14.0 ft. Recovered 2.0 in. of well-graded GRAVEL (GW), 50% cinders, slag, ash, brick. -FILL-										
15	12 5 5 5	NR 0	14.0 16.0		SW	Note: No recovery. Overdrove 3-in. spoon from 14.0 to 16.0 ft. Recovered 6.0 in. of gray-black well-graded SAND with gravel (SW), 50% cinders, slag, brick and glass. PID = 0.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/8/10	1030	0.25	20.0	24.0	6.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S9

Boring No. G7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G7

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 4 7 8	S6 10	16.0 18.0		GW-GM	Medium dense gray to black well-graded GRAVEL with silt and sand (GW-GM), 30% brick, glass, cinders, slag, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm -FILL-	20	30	15	15	10	10				
				0.0 18.0												
	9 8 6 7	S7 20	18.0 20.0		SC	Medium dense gray clayey SAND (SC), trace brick, cinders, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm					55	45				
20	11 4 7 8	S8 24	20.0 22.0		OL/OH	Stiff brown sandy ORGANIC SOIL (OL/OH), occasional pockets of fine sand and silt, mps 5 mm, organic odor, wet, reworked PID = 0.0 ppm -HYDRAULIC FILL-			5	10	20	65				
				-4.0 22.0												
	2 2 3 5	S9 24	22.0 24.0		OL/OH	Medium stiff olive-brown ORGANIC SOIL (OL/OH), frequent peat seams, trace shell fragments, mps <2 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. G7

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G8

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 8, 2010
Finish	June 8, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-GRAVEL-										
	9 34	S1 6	0.0 1.0	18.5 0.5	ML	Dense brown sandy SILT with gravel (ML), trace cinder, brick, mps 1.0 in., no structure, no odor, dry -FILL-	5	10	5	10	20	50				
	34 19 100/5"	S2 12	1.0 2.0		SM	PID = 0.0 ppm S2: Very dense brown silty SAND with g ravel (SM), trace brick, wood, cinder, mps 1.0 in., no structure, no odor, dry Note: Asphalt in tip of spoon.	5	10	5	10	35	35				
				16.6 2.4		PID = 0.0 ppm Note: Approximate former ground surface.										
				15.5 3.5		-ASPHALT CAP-										
	32* 67*	S3 8	4.0 5.0		SW-SM	Very dense brown well-graded SAND with silt and gravel (SW-SM), trace brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	5	30	40	10				
5	57 34 59 32	S4 14	5.0 7.0		SW-SC	Very dense brown to gray-brown well-graded SAND with clay and gravel (SW-SC), occasional clumps of reworked clay, mps 1.0 in., no odor, moist PID = 0.0 ppm	5	10	10	20	45	10				
	12 17 6 6	S5 8	7.0 9.0		SC	Medium dense gray-brown clayey SAND with gravel (SC), trace cinders, brick, ash, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	5	10	40	30				
						-FILL-										
	6 6 5 100/2"	S6 6	9.0 10.6		SM	Medium dense brown to dark brown silty SAND with gravel (SM), 30% cinders, ash, slag, brick, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	10	15	40	20				
10				8.4 10.6												
						-RUBBLE FILL-										
				6.4 12.6		Note: Spun casing to 13.0 ft through rubble fill. Brick, wood, cinders in wash.										
	5 4 3 5	NR 0	13.0 15.0			Note: No recovery from 13.0 to 16.0 ft. Overdrove 3-in. spoon with no recovery. Residue on spoon similar to S6.										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/9/10	0900	0.25	19.0	25.0	11.15

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S11

Boring No. G8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G8

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	3 5 2 4	S7 4	15.0 17.0		SM	Similar to above except loose PID = 0.0 ppm	5	10	10	15	40	20				
	4 7 10 12	S8 6	17.0 19.0		SM	Medium dense dark gray silty SAND with gravel (SM), 30% ash, cinders, brick, mps 0.5 in., no structure, faint petroleum-like odor, wet PID = 1.4 ppm -FILL-	5	10	10	15	40	20				
				0.0 19.0												
20	7 4 7 8	S9 14	19.0 21.0		CL	Stiff gray lean CLAY with sand (CL), trace cinders, mps 0.25 in., faint petroleum-like odor, wet, reworked PID = 2.8 ppm		5	5	5	10	75				
	1 2 3 4	S10 20	21.0 23.0		OL/ OH	Medium stiff olive-brown ORGANIC SOIL with sand (OL/OH), frequent irregular pockets of fine sand, mps <5 mm, organic odor, wet, reworked PID = 0.0 ppm -HYDRAULIC FILL-				5	15	80				
				-4.0 23.0												
	6 4 4 5	S11 24	23.0 25.0		OL/ OH	Medium stiff brown ORGANIC SOIL (OL/OH), frequent peat seams, trace shells, mps <1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-6.0 25.0		BOTTOM OF EXPLORATION 25.0 FT										

Note: Borehole grouted to surface upon completion.

*Indicates 3-in. spoon with 300-lb hammer used.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. G8

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G9

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 10, 2010
Finish	June 11, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	21.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: PID not used due to rain

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.7		-ASPHALT-										
	18*	S1 6	0.5 1.2	0.5	SW	Dense gray well-graded SAND with gravel (SW), trace brick, concrete, mps 1.0 in., no structure, no odor, wet	10	20	25	25	15	5				
	54 54 44 30	S2 18	1.2 3.2		SM	S2: Very dense dark brown to gray-brown silty SAND with gravel (SM), trace brick, mps 1.0 in., no structure, no odor, moist	5	10	10	15	40	20				
	31 30 26 32	S3 6	3.2 5.2		ML	Very dense gray sandy SILT with gravel (ML), 5% brick, cinder, wood, glass, mps 0.5 in., no structure, no odor, moist	5	10	5	10	15	55				
						-FILL-										
5	100/2"	S4 2	5.2 5.4	15.8 5.4	GP	Very dense gray poorly graded GRAVEL (GP), mps 1.5 in., no structure, no odor, wet Note: Approximate former ground surface.	90	10								
						-ASPHALT CAP-										
				14.3 6.9												
	48 100/5"	S5 8	7.2 8.1		SP-SM	Very dense brown poorly graded SAND with silt and gravel (SP-SM), mps 0.5 in., no structure, no odor, moist	5	10	5	5	65	10				
				13.1 8.1		-COBBLE/GRAVEL FILL-										
				12.2 9.0												
10	32 56 47 39	S6 20	9.2 11.2		ML	Very dense gray-brown sandy SILT with gravel (ML), trace brick, concrete, clay, mps 1.0 in., bonded, no odor, moist	5	10	5	10	15	55				
	23 17 16 11	S7 12	11.2 13.2		SW-SM	Dense gray-black well-graded SAND with silt and gravel (SW-SM), 30% miscellaneous debris, trace clay, mps 1.0 in., no structure, no odor, wet	5	10	25	25	10					
	10 3 3 3	S8 12	13.2 15.2		SW-SM	Similar to above except loose	5	10	25	25	25	10				
						-FILL-										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/11/10	1100	0.25	19.0	27.0	4.5*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.2
Rock Cored (ft)	-
Samples	S14

Boring No. G9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G9

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	7 4 4 7	S9 12	15.2 17.2		SW-SM	Similar to above	5	10	25	25	25	10				
	6 3 3 4	S10 4	17.2 19.2		SW-SM	Similar to above										
20	4 5 5 4	S11 4	19.2 21.2		SM	Loose black silty SAND (SM), 30% cinders, ash, miscellaneous debris, mps 0.25 in., no structure, no odor, wet -FILL-			15	20	30	35				
	5 3 5 8	S12 4	21.2 23.2		SM	Similar to above			15	20	30	35				
	11 8 7 8	S13 12	23.2 25.2	-2.0 23.2	OL/OH	Stiff brown sandy ORGANIC SOIL (OL/OH), mps 0.25 in., organic odor, wet, reworked -HYDRAULIC FILL-		5	5	10	15	65				
25	10 5 5 6	S14 14	25.2 27.2	-4.0 25.2	OL/OH	Stiff brown ORGANIC SOIL (OL/OH), frequent peat seams, mps <1 mm, strong organic odor, wet -ORGANIC DEPOSITS-						100				
				-6.0 27.2		BOTTOM OF EXPLORATION 27.2 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. G9

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G10

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 10, 2010
Finish	June 11, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	21.3
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 20.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: PID not used due to rain

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	20 31 37	S1 13	0.3 2.0	0.3	ML	Very dense olive sandy SILT (ML), 10% cinders, trace brick, mps 1.0 in., bonded, no odor, moist			5	20	20	55				
	56 23 22 38	S2 18	2.0 4.0		ML	Similar to above except dense			5	20	20	55				
						-FILL-										
	100/2"	NR 0	4.0 6.0			Note: Gravel in spoon tip. Drill action indicates gravel/cobbles from 4.0 to 6.0 ft.										
5						Note: Approximate former ground surface.										
				15.3												
	120/4"	S3 10	6.0 7.3	6.0 14.8		-ASPHALT CAP-										
				6.5		Note: Drilled through concrete/cobbles from 6.0 to 7.3 ft.										
	120/5"	S4 6	7.3 9.3		SP	Very dense brown poorly graded SAND with gravel (SP), mps 1-3/8 in., no structure, no odor, wet Note: Drill action indicated gravel/cobbles from 7.8 to 10.2 ft.	10	5	35	35	15					
10	31 33 34 35	S5 17	9.3 11.3		SP	Similar to above except 5% cinders, trace silt	10		40	30	15					
						-FILL-										
	4 13 15 14	S6 20	11.3 13.3		SP	S6 top: Similar to above except medium dense	10		40	30	15					
				9.0 12.3	OL/OH	S6 bottom: Hard dark gray ORGANIC SILT (OL/OH), trace brick, cinders, mps 4.0 in., no structure, no odor, wet					5	95				
				8.0 13.3		-HYDRAULIC FILL-										
	12 9 6 5	S7 11	13.3 15.3		SP	Medium dense gray poorly graded SAND (SP), 20% cinders, trace brick, mps 0.5 in., no structure, no odor, wet	5	5	40	30	20					
15	7 7 5 6	S8 14	15.3 17.3		SP	Similar to above except 40% cinders	5	5	40	30	20					
						-FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/11/10		0.25	20.0	25.3	3.6

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.3
Rock Cored (ft)	-
Samples	S12

Boring No. G10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G10

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 3 3 4	S9 8	17.3 19.3		SP	Similar to above except loose	5	5	40	30	20					
20	2 2 3 4	S10 9	19.3 21.3		SP	Similar to above -FILL-										
	3 3 6 10	S11 24	21.3 23.3	0.0 21.3	OL/ OH	Stiff gray CLAY with sand (CL), mps 0.25 in., no structure, no odor, moist -HYDRAULIC FILL-				5	10	85				
25	2 2 3 2	S12 20	23.3 25.3	-2.0 23.3	OL/ OH	Medium stiff dark gray ORGANIC SILT (OL/OH), mps 5 mm, no structure, organic odor, wet -ORGANIC DEPOSITS-					5	95				
				-4.0 25.3		BOTTOM OF EXPLORATION 25.3 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. G10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H7

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 1
Start	June 8, 2010
Finish	June 8, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	4 6 6 7	S1 13	0.0 2.0	17.6 0.4		-GRAVEL-										
					ML	Medium dense olive sandy SILT (ML), trace brick, mps 1.0 in., bonded, no odor, moist PID = 0.0 ppm		5	10	10	20	55				
	9 11 10 100/2"	S2 24	2.0 4.0		ML	-FILL- Similar to above PID = 0.0 ppm		5	10	10	20	55				
				14.5 3.5		Note: Approximate former ground surface.										
	100/0"	NR 0	4.0 6.0	14.0 4.0		-ASPHALT CAP- Note: Drilled through concrete and brick from 4.0 to 6.0 ft.										
5	18 20 26 34	S3 17	6.0 8.0		ML	Dense gray to tan SILT with sand in frequent pockets (ML), frequent fine sand pockets, trace brick, mps 0.75 in, no structure, no odor, moist PID = 0.0 ppm				10	10	80				
	19 13 8 12	S4 14	8.0 10.0	10.0 8.0	SP-SM	Medium dense gray poorly graded SAND with silt (SP-SM), 10% cinder and brick, mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm			20	40	30	10				
10	10 3 4 2	S5 5	10.0 12.0		SP-SM	Similar to above except loose PID = 0.0 ppm			20	40	30	10				
						-FILL-										
	5 3 4 3	S6 11	12.0 14.0		SP-SM	Similar to above PID = 0.0 ppm			20	40	30	10				
				4.0 14.0												
15	2 3 3 3	S7 6	14.0 16.0		OL/OH	Medium stiff black sandy ORGANIC SOIL (OL/OH), trace cinder, brick, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm				5	10	85				
	2 2 2 4	S8 5	16.0 18.0		OL/OH	Similar to above except soft PID = 0.0 ppm										
						-HYDRAULIC FILL-										
				0.0 18.0												
	5 3 3 5	S9 24	18.0 20.0		OL/OH	Medium stiff gray sandy ORGANIC SOIL (OL/OH), trace peat fibers, frequent sand partings, mps 5 mm, organic odor, moist PID = 0.0 ppm				5	10	85				
						-ORGANIC DEPOSITS-										
20				-2.0 20.0		BOTTOM OF EXPLORATION 20.0 FT										
						Note: Borehole grouted to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/8/10			15.0	20.0	1.9

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	-
Samples	S9

Boring No. H7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H8

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 7, 2010
Finish	June 8, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.7
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.3		-GRAVEL-										
	5 5 8 6	S1 14	0.5 2.5	0.4	ML	Medium dense olive-gray sandy SILT (ML), trace wood, brick, mps 1.0 in., bonded, no odor, moist PID = 0.0 ppm -FILL-			15	10	20	55				
	12 31 100/3"	S2 4	2.5 4.0		ML	Similar to above except very dense PID = 0.0 ppm			15	20	20	55				
				15.2 3.5		Note: Approximate former ground surface.										
				14.7 4.0		-ASPHALT CAP-										
	100/2"	S3 4	4.0 6.0		SP-SM	Very dense poorly graded SAND with silt (SP-SM), trace wood, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm		5	50	20	15	10				
5	100/3"	S4 2	6.0 8.0		SP-SM	Similar to above PID = 0.0 ppm		5	50	20	15	10				
				10.7 8.0												
	22 20 14 16	S6 3	8.0 10.0		SP	Dense brown poorly graded SAND (SP), mps 2.0 in., no structure, no odor, wet PID = 0.0 ppm			35	40	25					
10	20 11 7 10	S7 3	10.0 12.0		GP	Medium dense dark gray poorly graded GRAVEL with sand (GP), mps 1.0 in., no structure, faint fuel-like odor, wet PID = 14.9 ppm	10	40	35	10	5					
	4 2 2 2	S8 9	12.0 14.0		GP	Similar to above except very loose, trace cinders PID = 17.3 ppm -FILL-	10	40	35	10	5					
15	8 3 5 4	S9 6	14.0 16.0		GP-GM	Loose black poorly graded GRAVEL with silt (GP-GM), trace cinders, glass, mps 1.0 in., no structure, no odor, wet PID = 4.7 ppm	10	40	20	10	10	10				
				2.7 16.0												
	4 5 5 8	S10 11	16.0 18.0		OL/OH	Stiff black ORGANIC SILT with sand (OL/OH), mps 5 mm, no structure, organic odor, wet PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/8/10		0.25	15.0	20.0	4.8

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S13

Boring No. H8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H8

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	7 3 4 6	S11 13	18.0 20.0		OL/ OH	Similar to above except medium stiff PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
20	10 8 5 6	S12 5	20.0 22.0	-1.3 20.0	OL/ OH	Stiff gray ORGANIC SILT (OL/OH), peat fibers throughout, occasional sand partings, mps 5 mm, H2S odor, moist PID = 0.0 ppm					5	95				
	9 7 6 7	S13 24	22.0 24.0		OL/ OH	Similar to above PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-5.3 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. H8

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H9

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: NW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 8, 2010
Finish	June 9, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	20.9
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-ASPHALT-										
	15 19 12	S1 9	0.4 2.0	0.4	SM	Dense gray silty SAND (SM), trace brick, mps 1.0 in., bonded, no odor, moist PID = 0.0 ppm		5	15	30	20	30				
	29 25 20 19	S2 14	2.0 4.0		ML	Very dense gray sandy SILT (ML), trace brick, mps 0.5 in., bonded, no odor, moist PID = 0.0 ppm -FILL-		5	5	15	20	55				
	8 100/2"	S3 4	4.0 4.5	16.4 4.5	ML	Similar to above Note: Approximate former ground surface.										
5				15.9 5.0		-ASPHALT CAP- Note: Drilled through concrete from 5.0 to 6.0 ft.										
	32 100/6"	S4 8	6.0 8.0		SP	Very dense light brown poorly graded SAND with gravel (SP), mps 1-3/8 in., no structure, no odor, moist Note: Drilled through concrete from 6.4 to 8.0 ft. PID = 0.0 ppm	10	10	40	25	15					
	72 100/4"	S5 6	8.0 10.0		SP	Similar to above except brown Note: Drill action indicates cobbles from 8.3 to 10.0 ft. PID = 0.0 ppm	10	10	40	25	15					
10	35 27 21 21	S6 4	10.0 12.0		SP	Similar to above PID = 0.0 ppm -FILL-	10	10	40	25	15					
	28 8 5 3	S7 14	12.0 14.0	8.9 12.0	GP	Medium dense gray poorly graded GRAVEL with sand (GP), 15% cinder, brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm -FILL-	10	40	30	10	10					
15	2 1 1 3	S8 6	14.0 16.0	6.9 14.0	SP	Very loose dark gray poorly graded SAND with gravel (SP), trace cinder, no structure, no odor, wet PID = 0.0 ppm -FILL-	5	5	40	30	20					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/9/11		0.25	15.0	26.0	5.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. H9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H9

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 3 2	S9 4	16.0 18.0		SP	Similar to above except loose PID = 0.0 ppm -FILL-	5	5	40	30	20					
				2.9 18.0												
	3 3 3 2	S10 11	18.0 20.0		OL/OH	Medium stiff black sandy ORGANIC SILT (OL/OH), mps 0.25 in., no structure, fuel-like odor, wet PID = 24.1 ppm -HYDRAULIC FILL-				5	10	85				
20	5 5 4 5	S11 24	20.0 22.0		OL/OH	Similar to above except stiff PID = 17.4 ppm				5	10	85				
				-1.1 22.0												
	2 1 2 4	S12 24	22.0 24.0		OL/OH	Soft gray ORGANIC SILT (OL/OH), trace peat, mps 5 mm, frequent sand partings, organic odor, moist PID = 0.0 ppm					5	95				
25	2 4 3 5	S13 24	24.0 26.0		OL/OH	Similar to above except medium stiff -ORGANIC DEPOSITS-										
				-5.1 26.0		BOTTOM OF EXPLORATION 26.0 FT										
						Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. H9

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H10

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 10, 2010
Finish	June 10, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	21.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 22.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: PID not used - malfunction (rain)

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5 / 0.5		-BITUMINOUS ASPHALT-										
	17	S1 6	0.5 1.0	20.0 / 1.0		-CRUSHED CONCRETE-										
	7 12 10 14	S2 20	1.0 3.0		SM	Medium dense gray-green silty SAND (SM), pockets of hard clay, trace crushed brick with wood pieces, 5% clay, mps 0.75 in., no structure, no odor, moist		10	5	20	45	20				
	15 17 16 16	S3 13	3.0 5.0		SM	Similar to above		10	5	20	45	20				
						-FILL-										
5	15 8 7 40	S4 13	5.0 7.0		SM	Medium dense olive silty SAND (SM), trace crushed red brick, mps 1.0 n., no structure, no odor, wet Note: Approximate former ground surface.		10	10	15	45	20				
				14.5 / 6.5 / 14.0		-ASPHALT CAP-										
	115/6"	S5 4	7.0 9.0	7.0		Note: Drilled through granite from 7.0 to 9.0 ft.										
						-GRANITE-										
	25 32 42 29	S6 14	9.0 11.0	12.0 / 9.0	SW-SM	Dense brown poorly graded SAND with silt and gravel (SW-SM), granite, crushed brick, cinders and ash, mps 1.5 in., no structure, no odor, moist	10	15	5	20	40	10				
10						-FILL-										
	38 42 29 18	S7 18	11.0 13.0		SP	Dense brown poorly graded SAND (SP), pieces of granite, crushed brick, cinders and ash, mps 1.0 in., no structure, no odor, moist	5	5	5	30	45	10				
	11 6 5 3	S8 9	13.0 15.0		SM	Medium dense gray-brown silty SAND (SM), 10% cinders and ash, mps 0.5 in., no structure, no odor, moist		10	20	30	40	20				
15	2 1 1 3	S9 11	15.0 17.0			Loose gray-brown cinders and ash, crushed red brick, slag, mps 0.5 in., no structure, no odor, wet		5	15	35	40	5				
	3 2 3 2	S10 12	17.0 19.0			Similar to above										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.0
Rock Cored (ft)	-
Samples	S12

Boring No. H10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H10

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	3 2 3 3	S11 0	19.0 21.0			Note: No recovery. Overdrove 3-in. spoon. Recovery similar to above, cinders and ash with slag and crushed brick.										
	3 3 4 5	S12 13	21.0 23.0		CL	Soft olive-gray lean CLAY (CL), occasional organic clay seam, mps 1.0 in., no structure, organic odor, wet	5				5	90				
				-1.5 22.5												
	2 2 2 2	S13 22	23.0 25.0		CL	Medium stiff olive-gray lean CLAY (CL), trace organics, slag, mps 0.5 in., no structure, organic odor, wet		5			5	90				
						-HYDRAULIC FILL-										
25	2 2 2 2	S14 21	25.0 27.0		CL CL	S14 top 4.0 in.: Similar to above S14 mid 10.0 in.: Soft olive-brown lean CLAY (CL), mps < 1 mm, no structure, slight organic odor, wet					5	95				
				-5.3 26.3	CL	S14 bottom 7.0 in.: Soft olive-brown lean CLAY (CL), frequent pockets of fibrous peat, mps < 1 mm, no odor					5	95				
				-6.0 27.0		-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 27.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 23, 2010
Finish	June 23, 2010
Driller	S. Canning
H&A Rep.	B. Babcock
Elevation	21.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5 / 0.5		-ASPHALT-										
	8* 13 13 12	S1 12	1.0 3.0		SM	Very dense gray-brown silty SAND with gravel (SM), trace brick, concrete, mps 1.0 in., no structure, no odor, moist *Indicates 3-in. spoon and 300-lb hammer used. PID = 0.0 ppm	5	10	10	10	15	50				
						-FILL-										
	26 28 24 100/3"	S2 12	3.0 4.8		SM	Similar to above Note: Asphalt in tip of spoon. PID = 0.0 ppm	5	10	10	10	15	50				
				16.2 / 4.8		Note: Approximate former ground surface.										
5	100/3"	NR 0	5.0 5.3			Note: No recovery. 3.0 in. asphalt in tip of spoon.										
				15.2 / 5.8		-ASPHALT CAP-										
	31 100/4"	S3 6	6.0 6.9		SP	Very dense light brown poorly graded SAND with gravel (SP), trace wood, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	10	65	10					
	100/3"	NR 0	8.0 8.3			Note: No recovery. 3.0 in. sand and gravel wash in spoon. Similar to above.										
	100/2" *	S4 2	9.0 9.2		SW	Very dense light gray-brown well-graded SAND with gravel (SW), mps 2.0 in., no structure, no odor, wet PID = 0.0 ppm	10	10	20	30	25	5				
10	10* 20 18	S5 6	9.5 11.0		SW	S5: Similar to above PID = 0.0 ppm	10	15	20	30	25					
	45 33 21	S6 54	11.0 13.0		SW-SM	Very send orange-brown well-graded SAND with silt and gravel (SW-SM), trace metal, slag, cinders, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	15	20	40	10				
	52 44 56 24	S7 12	13.0 15.0		SW-SM	Similar to above PID = 0.0 ppm	5	10	15	20	40	10				
						-FILL-										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/23/10	1300	0.5	19.0	25.0	7.31

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S12

Boring No. I14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	10 11 2 4	S8 10	15.0 17.0			-FILL-										
				5.0 16.0	CL	S8 bottom: Stiff olive-gray lean CLAY with sand (CL), mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	5	15	75				
	11 10 7 6	S9 22	17.0 19.0		CL	Very stiff olive-gray to black sandy lean CLAY (CL), 25% ash, cinder, slag, pockets of ash, cinder slag, mps 0.5 in., no odor, wet PID = 0.0 ppm		5	5	10	20	60				
	4 1 4 5	S10 16	19.0 21.0		CL	Medium stiff olive-gray with black lean CLAY with sand (CL), trace cinders, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm					15	85				
20																
	3 2 3 5	S11 6	21.0 23.0		CL	Similar to above Note: Piece of gravel in tip of spoon. PID = 0.0 ppm -HYDRAULIC FILL-					10	90				
	2 3 4 7	S12 8	23.0 25.0	-2.0 23.0	OL/ OH	Medium stiff brown ORGANIC SOIL (OL/OH), trace peat, shells, no structure, faint organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-4.0 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. I14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: Polymer
Hammer Weight (lb)	300	140	-	Casing: HW Driven
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 23, 2010
Finish	June 23, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	20.7
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.2		-ASPHALT-										
	7 15 16 32	S1 11	0.6 2.6	0.5	ML	Dense olive sandy SILT with gravel (ML), trace brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	55	15	5					
	68 100/3"	S2 7	2.6 4.6		GP	Very dense gray poorly graded GRAVEL with sand (GP), mps 0.75 in., no structure, no odor, wet Note: Drilled through cobbles and gravel from 3.4 to 4.6 fl. PID = 0.0 ppm	10	65	15	5	5					
						-FILL-										
	100/2"	S3 4	4.6 6.6	15.9 4.8	GP	Similar to above except 5% brick PID = 0.0 ppm	10	65	5	5	5					
5				15.5 5.2		Note: Approximate former ground surface. -ASPHALT CAP- Note: Drilled through gravel/cobbles/brick from 5.2 to 6.6 ft.										
	120/1"	S4 3	6.6 8.6		SP	S4: Very dense gray poorly graded SAND (SP), mps 0.25 in., no structure, no odor, moist Note: Drilled through gravel/cobbles/brick from 6.7 to 8.5 ft. PID = 0.0 ppm		5	40	20	15					
	29 35 26 29	S5 8	8.6 10.6		SP	Similar to above PID = 0.2 ppm	5	15	50	15	5					
10						-FILL-										
	17 18 21 16	S6 9	10.6 12.6		SP	Similar to above except dense Note: Organic silt in spoon tip. PID = 0.0 ppm	5	10	50	20	15					
	5 5 6 7	S7 24	12.6 14.6	8.1 12.6	OL/ OH	Stiff black ORGANIC SILT (OL/OH), mps 5 mm, no structure, organic odor, moist PID = 0.0 ppm					5	95				
15	3 3 5 10	S8 24	14.6 16.6		OL/ OH	Similar to above except medium stiff, trace gravel and cinders PID = 0.0 ppm		5			5	90				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/23/10		0.25	15.0	24.6	4.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.6
Rock Cored (ft)	-
Samples	S12

Boring No. I15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I15

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	7 4 4 4	S9 17	16.6 18.6		OL/ OH	Medium stiff dark gray gravelly ORGANIC SILT (OL/OH), mps 0.25 in., no structure, organic odor, wet PID = 0.0 ppm		30			5	65				
	7 4 4 5	S10 7	18.6 20.6		OL/ OH	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-		25			5	70				
20	3 3 3 9	S11 24	20.6 22.6		OL/ OH	Similar to above except occasional clay pockets, trace gravel PID = 0.0 ppm		15			15	70				
	2 2 3 8	S12 24	22.6 24.6	-1.9 22.6	OL/ OH	Medium stiff gray ORGANIC SILT (OL/OH), trace peat, occasional sand partings, mps 5 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-3.9 24.6		BOTTOM OF EXPLORATION 24.6 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. I15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 23, 2010
Finish	June 23, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.0		-BITUMINOUS ASPHALT-										
				0.4		-DENSE CRUSHED CONCRETE-										
	24 22 40 29	S1 19	0.4 2.4	19.5 0.9	ML	S1 bottom 13.0 in.: Dense olive-gray sandy SILT with gravel (ML), 10% clay with crushed brick, glass and ceramic, mps 1.5 in., no structure, slight petroleum-like odor, moist PID = 0.0/10.2 ppm	5	10	5	10	20	50				
	26 19 12 12	S2 14	2.4 4.4		ML	Similar to above except medium dense, mps 1.0 in. PID = 0.0/15.9 ppm										
						-FILL- Note: Approximate former ground surface.										
	104 52 37 40	S3 15	4.4 6.4	16.0 4.4		-ASPHALT CAP-										
5				15.6 4.8	SP	S3 bottom 11.0 in.: Very dense brown poorly graded SAND with gravel (SP), 1-in. sized pieces of wood, crushed brick and ash, mps 1.0 in., no structure, slight petroleum-like odor, moist PID = 0.0/2.1 ppm	5	10	10	35	35	5				
	29 47 56 39	S4 19	6.4 8.4		SM	Very dense dark brown silty SAND with gravel (SM), 1-in. sized pieces of wood, crushed brick and strands of metal wire, glass, mps 0.75 in., no structure, slight petroleum-like odor, moist PID = 0.0/2.9 ppm		15	10	25	40	20				
	14 12 10 13	S5 10	8.4 10.4		SP	Medium dense tan poorly graded SAND with gravel (SP), mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm		35	10	35	15	5				
10						-FILL-										
	11 7 3 2	S6 2	10.4 12.4			Recovery approximately 100 grams of fine gravel Note: Overdrove 3-in. spoon; recovery similar to above. 2.0 in. of probable wash.										
	3 3 3 1	S7 7	12.4 14.4		ML	Medium stiff gray SILT (ML), 15% clay, frequent fine sand partings, wood fragments, crushed brick and shell fragments, mps 0.25 in., no structure, slight organic odor, wet PID = 0.0/0.0 ppm		5			10	85				
				6.0 14.4												
15	3 2 3 3	S8 7	14.4 16.4		CL	Soft to medium stiff gray lean CLAY with sand (CL), shell and wood fragments, frequent pockets of sand, 25% silt, mps 1.0 in., no structure, slight organic odor, wet PID = 0.0/0.0 ppm	5			5	10	80				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.4
Rock Cored (ft)	-
Samples	S12

Boring No. I16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/12" 1 1	S9 12	16.4 18.4		CL	Similar to above except mps 0.5 in. PID = 0.0/0.0 ppm		5		5	10	80				
20	7 2 1 1	S10 1	18.4 20.4		SP	Note: 1.5-in. piece of gravel stuck in spoon. Overdrove 3-in. spoon; recovery, gray poorly graded SAND with gravel (SP), wash PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5		5	10	80				
	2 3 3 2	S11 16	20.4 22.4		SM	Loose gray silty SAND (SM) intermixed with sandy silt, crushed brick, shell fragments, silt seams, little clay, mps 0.5 in., no structure, petroleum-like odor, moist		5	5	30	30	30				
	3 3 3 2	S12 19	22.4 24.4		SM OH	S12 top 8.0 in.: Similar to above PID = 0.0/0.0 ppm S12 mid 7.0 in.: Medium stiff gray ORGANIC SILT (OH), 15% clay, pockets of peat, mps <1 mm, no structure, organic odor, wet PID = 0.0/0.0 ppm										
				-3.6 24.0 -4.0 24.4	OL/ OH	S12 bottom 4.0 in.: Olive-brown ORGANIC SOIL (OL/OH) with shell fragments -ORGANIC DEPOSITS-										

BOTTOM OF EXPLORATION 24.4 FT

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. I16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I17(OW)

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start July 21, 2010
Finish July 22, 2010
Driller R. Eastwood
H&A Rep. D. Crawford
Elevation 20.3
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0				20.0		-BITUMINOUS ASPHALT-										
	15 140 90 53	S1 14	0.3 2.3	0.3	SM	S1 top 4.0 in.: Very dense gray silty SAND with gravel (SM), mps 2.5 in., no structure, no odor, moist, six coarse-gravel-sized pieces of concrete, with wood fragments PID = 0.0 ppm	5	10			35	20				
					ML	S1 bottom 10.0 in.: Very dense olive-gray sandy SILT with gravel (ML), mps 0.75 in., no structure, no odor, moist, with crushed brick, glass, ceramic and wood fragments PID = 0.0 ppm		15	5	5	25	50				
	21 17 15 19	S2 10	2.3 4.3		ML	S2: Similar to above except dense, mps 1.0 in. PID = 0.0 ppm	5	10	5	5	25	50				
				16.0 4.3		-FILL- Note: Approximate former ground surface.										
	26 21 15 13	S3 11	4.3 6.3	15.7 4.6	SP	-ASPHALT CAP- S3 bottom 8.0 in.: Dense gray poorly graded SAND and gravel (SP), mps 1.0 in., no structure, no odor, moist, 10% cinders and ash, with crushed brick and glass PID = 0.0 ppm	5	10	15	35	30	5				
5	29 22 5 7	S4 7	6.3 8.3		SP	Note: Unable to advance borehole beyond 8.1 ft due to granite block. Moved rig 5.0 ft norwest and resumed sampling at 8.3 ft. S4: Similar to above except with 20% cinders and ash, and 15% crushed brick PID = 0.0 ppm	5	10	20	30	30	5				
	15 21 31 34	S5 12	8.3 10.3		SM	Very dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 10% brick, trace cinders PID = 0.0 ppm	5	10	10	25	35	15				
10	16 15 3 5	S6 10	10.3 12.3		SM	Similar to above except medium dense, wet PID = 0.0 ppm	5	10	20	20	30	15				
						-FILL-										
	11 4 2 3	S7 10	12.3 14.3			Similar to above except loose PID = 0.0 ppm	5	10	15	15	25	30				
				6.0 14.3	OL/OH	Soft dark brown sandy ORGANIC SOIL (OL/OH), mps 0.5 in., no odor, weet, reworked, trace wood, cinders, ash PID = 0.0 ppm	5	5	5	5	15	65				
15	2 1 2 2	S8 6	14.3 16.3			-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/22/10	1000	0.25	19.0	24.3	7.4

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 24.3
Rock Cored (ft) -
Samples S12

Boring No. I17(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I17(OW)

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 3	S9 12	16.3 18.3			16.3	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-	5	5	10	10	15	55				
	2 2 3 2	S10 12	18.3 20.3			ML	Loose gray with brown SILT with sand (ML) intermixed with organic soil, mps 0.25 in., no odor, wet, trace wood, disturbed PID = 0.0 ppm		5	5	5	10	75				
20	3 2 1 2	S11 20	20.3 22.3			CL	Soft gray lean CLAY with sand (CL), mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	5	10	80				
	1 2 2 3	S12 20	22.3 24.3			CL	Similar to above PID = 0.0 ppm			5	5	10	80				
					-4.0 24.3		BOTTOM OF EXPLORATION 24.3 FT Note: Observation well installed in completed borehole.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. I17(OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 23, 2010
Finish	June 24, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW Drive to 19.0 ft
				Hoist/Hammer: Winch Doughnut Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.2 / 0.4		-ASPHALT-										
	36 68 44 34	S1 16	1.0 3.0		SM	Very dense gray brown silty SAND with gravel (SM), mps 1 in., no structure, no odor, moist, trace brick PID = 0.0 ppm	5	10	10	10	35	30				
						-FILL-										
	38 50 40	S2 12	3.0 4.6		SM	Similar to above PID = 0.0 ppm	5	10	10	10	35	30				
				16.0		Note: Approximate former ground surface.										
	100/3"	NR	4.6	4.6 / 15.6		-ASPHALT CAP-										
5	63 45 55	0 S3 10	4.9 5.0 6.6	5.0	SM	Similar to S1 except trace wood, brick, cinders, concrete in tip of spoon PID = 0.0 ppm	5	10	10	10	35	30				
						-FILL-										
				14.0 / 6.6		-RUBBLE FILL-										
	42* 82 27	S4 10	7.0 8.6	13.6 / 7.0	ML	Very dense dark gray to black sandy SILT with gravel (ML), mps 2.0 in., no structure, no odor, dry, 30% cinders, ash, brick, slag PID = 0.0 ppm *Indicates 300-lb hammer used to drive sample.	5	10	5	10	15	55				
	11 10 7 6	S5 12	8.6 10.6			Medium dense black with brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet, trace wood, brick, ash, cinders	5	10	20	15	20	30				
10	6 5 5 4	NR	10.6 12.6			Note: No recovery. -FILL- PID = 2.3 ppm										
	WOR WOH/12" 1	S6 2	12.6 14.6	8.0 / 12.6		Note: No recovery; residue in spoon similar to S5. Overdrove 3-in. spoon. Very soft dark gray sandy lean CLAY (CL), mps 0.5 in., no structure, no odor, wet, trace brick PID = 0.0 ppm		5	5	5	15	70				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/24/10	1130	0.5	19.0	24.6	5.4*
		*Not stablized			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.6
Rock Cored (ft)	-
Samples	S11

Boring No. J14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	3 4 5 5	S7 14	14.6 16.6			Similar to above except medium stiff PID = 0.0 ppm			5	10	15	70				
						-HYDRAULIC FILL-										
	2 3 3 3	S8 20	16.6 18.6			Similar to above PID = 0.0 ppm					30	70				
	3 3 4 3	S9 20	18.6 20.6			Medium stiff olive gray lean CLAY with sand (CL), mps <5 mm, reworked, no odor, wet, trace cinders PID = 0.0 ppm				5	15	80				
20																
	2 2 4 4	S10 6	20.6 22.6			Similar to above with trace shells PID = 0.0 ppm					15	85				
	6 6 7 9	S11 24	22.6 24.6			Similar to above except stiff PID = 0.0 ppm					15	85				
				-4.0 24.6		BOTTOM OF EXPLORATION 24.6 FT										

Note: Borehole grouted to surface upon completion.

WOR = Weight of Rd

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 23, 2010
Finish	June 24, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	20.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW to 19.0 ft
Hoist/Hammer: Cat-Head Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.0		-ASPHALT-										
	9 19 20 21	S1 17	0.5 2.5	0.5	ML	Dense olive sandy SILT with gravel (ML), mps 1 in., bonded, no odor, moist, trace cinder, brick PID = 0.0 ppm	5	10	5	10	15	55				
						-FILL-										
	51 32 100/5"	S2 13	2.5 4.0		ML	Similar to above except very dense PID = 0.0 ppm	5	5	5	10	15	60				
				16.5		Note: Approximate former ground surface.										
				4.0 16.0		-ASPHALT CAP-										
5	78 89 100/5"	S3 9	4.5 6.0	4.5		Sample composed entirely of brick, trace cinder PID = 0.1 ppm										
	51 74 89 83	S4 5	6.5 8.5			Similar to above PID = 0.2 ppm										
						-FILL- PID = 0.0 ppm										
10	10 11 11 9	S5 16	8.5 10.5		GP	Medium dense gray poorly graded GRAVEL with sand (GP), mps 0.25 in., no structure, no odor, moist, 10% cinder/brick, PID = 0.0 ppm	10	60	15	15						
				10.0												
	4 4 5 4	S6 14	10.5 12.5	10.5	OL/OH	Stiff black ORGANIC SILT with sand (OL/OH), mps 5.0 mm, no structure, organic odor, moist PID = 0.0 ppm			5	5	5	85				
	3 2 3 2	S7 9	12.5 14.5		OL/OH	Similar to above except medium stiff, brown PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
15	2 2 3 5	S8 24	14.5 16.5		OL/OH	Similar to above PID = 0.0 ppm				5	10	85				
	2 2 2 4	S9 21	16.5 18.5		OL/OH	Similar to above except soft PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/24/10		0.25	15.0	21.5	3.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S12

Boring No. J15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	4 3 3 2	S10 24	18.5 20.5		OL/ OH	Similar to above except medium stiff, trace gravel PID = 0.0 ppm		5		5	5	85				
	4 2 3 8	S11 24	20.5 22.5		OL/ OH	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-		5		5	5	85				
	3 4 5 6	S12 24	22.5 24.5		OL/ OH	Similar to above PID = 0.0 ppm		5		5	5	85				
				-3.0 23.5	OL/ OH	Stiff brown ORGANIC SILT (OL/OH), mps 5.0 mm, occasional sand partings, organic odor, moist PID = 0.0 ppm					5	95				
				-4.0 24.5		-ORGANIC DEPOSITS-										

BOTTOM OF EXPLORATION 24.5 FT

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. J15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 24, 2010
Finish	June 24, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	24.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				24.0		-BITUMINOUS ASPHALT-										
				0.2												
	13 15 35 92	S1 16	0.2 2.2	23.6 0.6	ML	S1 top 5.0 in.: Very dense CRUSHED CONCRETE S1 bottom 11 in.: Very dense olive gray sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, 10% clay, little crushed brick, with glass PID = 0.0/0.0 ppm	5	5	5	10	20	55				
	10 24 52 38	S2 17	2.2 4.2		ML	S2 top 8.0 in.: Similar to above, mps 0.5 in. Note: Approximate former ground surface.		10	5	10	20	55				
				21.2 3.0		-ASPHALT CAP-										
				20.8 3.4	SM	S2 bottom 5.0 in.: Very dense gray brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm		15	15	15	35	20				
5	12 11 10 12	S3 23	4.2 6.2		ML	Medium dense dark brown sandy SILT (ML), mps 0.5 in., no structure, no odor, moist, with crushed brick and glass PID = 0.0/0.0 ppm		5		10	25	60				
	9 6 7 6	S4 12	6.2 8.2		ML	Similar to above except mps 0.75 ft PID = 0.0/0.0 ppm	5	5	5	10	25	50				
						-FILL-										
	10 2 3 5	S5 13	8.2 10.2		ML	Loose dark brown sandy SILT (ML), mps 0.5 in., no structure, no odor, wet, with crushed brick and glass, 10% cinder and ash PID = 0.0/0.0 ppm										
10				14.2 10.0												
	5 3 2 4	S6 15	10.2 12.2		ML ML	S5 bottom 2.0 in.: Loose olive gray SILT with sand (ML), mps 0.2 in., no structure, no odor, wet, 10% clay PID = 0.0/0.0 ppm S6: Loose gray SILT (ML) intermixed with gray sandy SILT (ML), mps 0.5 in., no structure, slight organic odor, wet, with metal and glass, trace organics, with shell fragments PID = 0.0/0.0 ppm		5	5	5 10	25 20	65 65				
	3 3 3 3	S7 20	12.2 14.2		ML	Similar to above except mps 0.2 in. with frequent fine sand partings			5	10	20	65				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 24.2
Rock Cored (ft) -
Samples S12

Boring No. J16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 1	S8 12	14.2 16.2		ML	Loose gray SILT (ML), mps 0.75 in., no structure, organic odor, wet, 10% clay, with shell fragment, roots, wood fragment, metal wire strands, trace organics, pockets of sand PID = 0.0/0.0 ppm		5		5	10	80				
	2 2 2 3	S9 20	16.2 18.2		ML	Similar to above except mps 0.5 in. PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5		5	10	80				
20	2 2 2 1	S10 18	18.2 20.2		ML	Very soft to soft gray SILT (ML), mps <1 mm, no structure, slight organic odor, wet, with tree roots and glass, trace organics, frequent pockets of sand, and fine sand partings PID = 0.0/0.7 ppm				5	10	85				
	1 1 1 1	S11 15	20.2 22.2		CL-OH	Soft gray sandy lean CLAY (CL), intermixed with black ORGANIC SILT (OH), mps 3 mm, no structure, petroleum odor, wet, with shell fragments, with glass PID = 0.0/0.0 ppm			5	10	20	65				
	WOH/24"	S12 10	22.2 24.2		OH	S12 top 5.0 in.: Similar to above PID = 0.0/0.0 ppm S12 bottom 5.0 in.: Soft black ORGANIC SILT (OH), mps <1 mm, no structure, distinct petroleum odor, wet										
				0.0 24.2		BOTTOM OF EXPLORATION 24.2 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. J16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 21, 2010
Finish	July 21, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME-75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 14.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-BITUMINOUS ASPHALT-										
	30 60 43	S1 10	0.5 2.0	0.5 19.1		S1 top 4.0 in.: Very dense CRUSHED CONCRETE										
				0.9	ML	S1 bottom 3.0 in.: Very dense olive brown sandy SILT with gravel (ML), mps 3.0 in., no structure, no odor, moist, 3-in. piece of gravel lodged in spoon, with fragments and crushed brick PID = 0.0/0.0 ppm		5	5	10	15	55				
	15 10 18 80	S2 13	2.0 4.0		ML	S2 top 11.0 in.: Similar to above except mps 1.0 in. PID = 0.0/0.0 ppm	5	10	5	10	15	55				
						-FILL- Note: Approximate former ground surface.										
				16.2 3.8 15.9 4.1		-ASPHALT EM-1 CAP										
	20 13 19 15	S3 17	4.0 6.0		SP	S3 top 5.0 in.: Dense gray poorly graded SAND with gravel (SP), mps 0.75 in., no structure, no odor, moist, with glass PID = 0.0/0.0 ppm		15	20	30	30	5				
5					SM	S3 bottom 12.0 in.: Dense brown silty SAND (SM), mps 1.0 in., no structure, no odor, moist, with tree roots, wood fragments and glass	5	5	5	25	35	25				
	11 13 10 16	S4 14	6.0 8.0		ML	Medium dense olive-gray SILT with sand (ML), mps 0.5 in., no structure, no odor, moist, 10% cinders and ash, 2.0 in. clump of asphalt, with crushed brick, wood fragment and glass PID = 0.0/0.0 ppm		10	10	10	20	50				
	3 3 2 3	S5 13	8.0 10.0		SM	Loose gray-brown to black silty SAND (SM), mps 0.5 in., no structure, slight petroleum odor, wet, 15% cinders and ash, crushed brick and glass PID = 0.0/0.0 ppm		5	5	30	40	20				
						-FILL-										
10	2 2 2 2	S6 11	10.0 12.0			S6 top 4.0 in.: Similar to above, mps 0.75 in.		5	25	25	25	20				
					ML	S6 bottom 7.0 in.: Soft olive-gray SILT with sand (ML), mps <2 mm, no structure, no odor, wet, crushed brick and ceramic			5	5	5	85				
				8.6 11.4												

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. J17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J17

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/18"	S7	12.0			Note: Recovery mostly wash material including fine sand, shells, brick fragments and fine gravel. Overdrove 3-in. spoon; same results.										
	1	2	14.0			-HYDRAULIC FILL-										
				6.0												
	WOH/24"	S8	14.0	14.0	CL-ML	Very soft olive-gray lean CLAY (CL) interbedded with gray SILT (ML), mps <1 mm, no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm				5	5	90				
		24	16.0													
15																
	1	S9	16.0		CL-ML	Similar to above, mps 0.25 in., occasional pockets of sand PID = 0.0/0.0 ppm		5		5	5	85				
	2	23	18.0													
	1					-HYDRAULIC FILL-										
	1															
	1	S10	18.0		OL/OH	S10 top 12.0 in.: Soft olive-brown SILT (OL/OH), mps <1 mm, no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm				5	5	90				
	1	22	20.0													
	1															
	1				CL	S10 bottom 8.0 in.: Soft gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm				5	5	90				
20																
	WOH/6"	S11	20.0		CL	S11 top 10.0 in.: Similar to above				5	5	90				
	1	23	22.0													
	1															
					CL-ML	S11 bottom 13.0 in.: Soft olive-brown lean CLAY (CL) interbedded with SILT (ML), mps <1 mm, no structure, no odor, wet, with shell fragments with frequent pockets of fine sand					10	90				
	WOH/6"	S12	22.0		CL-ML	S12 top 15.0 in.: Similar to above PID = 0.0/0.0 ppm					10	90				
	1	21	24.0													
	1															
				-3.5												
				23.5	OL/OH	S12 bottom 6.0 in.: Olive-brown ORGANIC SOIL (OL-OH), mps <1 mm, distinct organic odor, trace peat						100				
				-4.0												
				24.0		-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 24.0 FT										
						Note: Borehole grouted to surface upon completion.										
						WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. J17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J18

Project BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start July 9, 2010
Finish July 9, 2010
Driller D. Sheldon
H&A Rep. B. Babcock
Elevation 20.0
Datum BCB
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME 750 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven/Spun to 14.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
				0.5		-FILL-										
	25* 46 94 34	S1 6	1.0 3.0		SM	Very dense gray-brown silty SAND with gravel (SM), mps 2.5 in., no structure, no odor, moist, trace plastic, wood, brick PID = 0.0 ppm	10	10	10	15	35	20				
	24 57	S2 8	3.0 4.0		SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist Note: Approximate former ground surface.	15	15	20	20	20	10				
				16.0 4.0		-ASPHALT CAP-										
				15.5 4.5												
5						-RUBBLE FILL-										
	6 5 4 1	NR 0	6.0 8.0			Note: No recovery. 4.0 in. of red brick in spoon.										
	4 100/5"	S3 6	8.0 8.9		SW	Very dense brown well-graded SAND (SW), mps 1.0 in., no structure, no odor, wet, 75% red brick PID = 0.0 ppm	5	5	25	35	25	5				
10	WOR/12" 1 1	S4 6	10.0 12.0		SM	Very loose gray-black silty SAND with gravel (SM), mps 1.0 ni., no structure, petroleum odor, wet, 50% cinders, ash, wood, debris PID = 16.7 ppm	5	10	25	30	30	20				
	WOR 3 2 1	S5 3	12.0 14.0		SM	Similar to above except loose PID = 10.6 ppm	5	10	20	20	25	20				
15	3 WOH/12" 2	NR 0	14.0 16.0			Note: No recovery. 6.0 in. of wood in spoon. Attempted 3-in. spoon; no recovery.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/9/10	1445	0.25	20.0	26.0	9.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 26.0
Rock Cored (ft) -
Samples S10

Boring No. J18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J18

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/18" 2	S6 2	16.0 18.0		SM	Similar to S4 except 50% wood Note: Overdrove 3-in. spoon; no recovery. PID = 0.6 ppm	5	10	10	20	35	20				
				2.0												
	WOR WOH/18"	S7 24	18.0 20.0	18.0	OL/ OH	Very soft brown with black and gray sandy ORGANIC SOIL (OL/OH) intermixed with silt and lean clay, mps 0.25 in., no odor, wet, 30% cinders, ash, debris, reworked PID = 0.6 ppm		5	5	10	20	60				
20	WOH/18" 1	S8 6	20.0 22.0		OL/ OH	Similar to above PID = 0.1 ppm -HYDRAULIC FILL-			5	5	20	70				
	WOH/24"	S9 6	22.0 24.0		OL/ OH	Similar to above except trace peat PID = 0.1 ppm				5	25	70				
				-4.0												
	WOH/24"	S10 10	24.0 26.0	24.0	OL/ OH	Very soft brown ORGANIC SOIL (OL/OH), occasional pockets of peat, mps < 1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-6.0												
				26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon used. WOR = Weight of Rod WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. J18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K6

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 4
Start	June 30, 2010
Finish	July 2, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NQ
Inside Diameter (in.)	4/3	1 3/8	2
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Spun to 64.0 ft; HW Driven to 25.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.4 / 0.6		-ASPHALT-										
	*7 8 8 19	S1 14	1.0 3.0		SM	Dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick, plastic PID = 0.0/0.0 ppm	5	10	10	15	30	30				
						-FILL-										
	27 37 60 50	S2 12	3.0 5.0		SM	S2: Similar to above except very dense with trace cinders and ash PID = 0.0/0.0 ppm	5	10	15	20	30	20				
				14.0		Note: Approximate former ground surface.										
5	100/3"	NR 0	5.0 5.2	5.0 / 13.5		-ASPHALT EM-1 CAP-										
				5.5	SM	Similar to above, 30% cinders, ash PID = 0.0/0.0 ppm	5	10	10	25	30	20				
	*16 10	S3 10	6.0 7.0													
	8 6 10 10	S4 20	7.0 9.0		SM	Similar to above except medium dense, wet PID = 0.0/0.0 ppm	5	10	10	25	30	20				
						-FILL-										
				10.0 / 9.0												
10	11 4 7 6	S5 14	9.0 11.0		CL	Medium stiff olive gray sandy lean CLAY (CL), mps 0.25 in., reworked, no odor, wet, trace wood, cinders PID = 0.0/0.0 ppm				10	25	65				
	7 3 4 5	S6 20	11.0 13.0		CL	Similar to above PID = 0.0/0.0 ppm					30	70				
						-HYDRAULIC FILL-										
	8 15 22 24	S7 6	13.0 15.0		CL	Similar to above except hard, trace cinders PID = 0.0/0.0 ppm	5	5	5	10	10	65				
15	13 14 10 12	S8 16	15.0 17.0		CL	Very stiff olive gray lean CLAY with sand (CL), mps 0.25 in., reworked, no odor, wet, trace cinders PID = 0.0/0.0 ppm				10	10	80				
	23 14 15 15	S9 24	17.0 19.0		CL	Very stiff olive gray with brown sandy lean CLAY (CL), mps 0.5 in., reworked, no odor, wet, trace wood, cinders, shells, 10% organic soil PID = 0.0/0.0 ppm		5	5	10	20	60				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	64.0
Rock Cored (ft)	20.0
Samples	S19, C4

Boring No. K6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K6

File No. 12486-515

Sheet No. 2 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	3 11 16 13	S10 20	19.0 21.0		OL/OH	Very stiff brown ORGANIC SOIL with sand (OL-OH), mps <2 mm, no structure, faint organic odor, wet, 80% SILT PID = 0.0/0.0 ppm					20	80				
						-HYDRAULIC FILL-										
	17 22 20 17	S11 4	21.0 23.0		CL	Hard olive gray lean CLAY with gravel (CL), mps 1.0 in., disturbed, no odor, wet PID = 0.0/0.0 ppm	10	10			5	75				
				-4.0 23.0												
	6 6 10 9	S12 24	23.0 25.0		OL/OH	Very stiff gray brown ORGANIC SOIL (OL-OH), mps <5 mm, frequent pockets and partings of PEAT, strong organic odor, wet PID = 0.0/0.0 ppm						100				
25						-ORGANIC DEPOSITS-										
30	5 9 16 18	S13 24	29.0 31.0		OL/OH	Very stiff brown ORGANIC SOIL (OL-OH), mps <1 mm, frequent pockets of PEAT, strong organic odor, wet, 40% PEAT PID = 0.0/0.0 ppm						100				
				-13.5 32.5												
						-MARINE DEPOSITS-										
35	10 11 23 100/2"	S14 20	34.0 35.7		CL	Hard gray with gray brown lean CLAY (CL), mps <1 mm, no structure, no odor, wet. Trace gravel lodged in tip of spoon. PID = 0.0/0.0 ppm						100	N			
				-16.7 35.7												
						-BOULDER-										
				-18.2 37.2												
40	31 27 68 39	S15 20	39.0 41.0		ML	Very dense olive sandy SILT with gravel (ML), mps 0.75 in., very well bonded, no odor, wet PID = 0.0/0.0 ppm	5	10	5	5	10	65				
						-GLACIAL TILL-										
45	69 112 62 49	S16 16	44.0 46.0		ML	Similar to above PID = 0.0/0.0 ppm	5	10	5	5	15	60				

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K6

File No. 12486-515
Sheet No. 3 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	33 44 54 41	S17 6	49.0 51.0		ML	Similar to above PID = 0.0/0.0 ppm	10	10	5	10	15	50				
						-GLACIAL TILL-										
55	22 27 41 25	S18 16	54.0 56.0		ML	Similar to above except olive gray, 10% of fine fraction lean clay. PID = 0.0/0.0 ppm	5	10	10	10	15	50				
60	54 47 41 26	S19 12	59.0 61.0		CL	Hard olive gray sandy lean CLAY with gravel (CL), mps 0.5 in., very well bonded, no odor, wet PID = 0.0/0.0 ppm	5	10	5	5	10	65				
						Note: Drill action indicates top of bedrock at 63.5 ft.										
				-44.5 63.5		TOP OF BEDROCK 63.5 FT										
65						Note: Advanced borehole to 64.0 ft with roller bit. SEE CORE BORING REPORT FOR ROCK DETAILS										
70																
75																

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K6

HALEY & ALDRICH

CORE BORING REPORT

Boring No. K6
File No. 12486-515
Sheet No. 4 of 4

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
		C1	64.0 69.0	60 14	100 23	Slight		Moderately hard, slightly weathered, gray, aphanitic ARGILLITE. Extremely thin bedding dipping at low angles. Low angle joints parallel to bedding, very close to close, smooth, planar, discolored, tight. Vertical joints very close to close, rough, stepped, discolored to slightly weathered, open. Highly fractured zone from 67.5 ft to 68.8 ft consisting of intersecting low angle and vertical joints.
65	4							
	3							
	3.5							-BEDROCK-
	5							
	10							
	4	C2	69.0 74.0	60 14	100 23	Slight		Same rock type. Similar joint sets to above with occasional calcification of vertical join surfaces.
70	4							
	3.5							
	3							
	3.5							
	3.5	C3	74.0 79.0	60 45	100 75	Slight		Same rock type. Low angle, joints, close to moderately close, smooth, planar, discolored, tight to open.
75	3							
	3.5							
	3							
	4							
	3.5	C4	79.0 84.0	60 53	100 88	Fresh		Same rock type except fresh. Low angle joints moderately close, smooth, planar, tight.
80	3							
	3							
	3							
	3							
							-65.0 84.0	BOTTOM OF EXPLORATION 84.0 FT
85								Note: Borehole grouted to surface upon completion.

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K7

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 28, 2010
Finish	June 28, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW to 15.0 ft
				Hoist/Hammer: Automatic Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.0		-BITUMINOUS ASPHALT-										
	12 15	S1 11	0.4 1.4	0.4	SM	Medium dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, with crushed brick and glass PID = 0.0/0.0 ppm	5	10	10	20	30	25				
	10 29 22 16	S2 18	1.4 3.4			S2: Dense dark brown sandy SILT with gravel (ML), mps 1.5 in., no structure, no odor, moist, with crushed brick and glass, 10% clay, 20% cinders and ash PID = 0.0/0.0 ppm	5	10	5	5	20	55				
						-FILL-										
	7 8 10 9	S3 15	3.4 5.4		ML	S3 top 13.0 in.: Similar to above except mps 1.0 in. PID = 0.0/0.0 ppm		10	5	10	20	55				
						S3 bottom 2.0 in.: Medium dense olive gray sandy SILT (ML), 15% clay, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm				15	15	70				
5	9 8 6 64	S4 11	5.4 7.4		ML	Medium dense olive gray sandy SILT (SM), mps 1.0 in., no structure, no odor, wet, with crushed brick, cinders and ash with glass fragments, 15% clay PID = 0.0/0.0 ppm	5	5	5	10	20	55				
						Note: Approximate top of ground surface.										
				12.2 7.2		-ASPHALT-										
	31 68 100/3"	S5 12	7.4 9.4	11.9 7.5		S5: 7.5 - 8.2 ft - Drilled through obstruction - residue indicated boulder. S5 bottom 1.2 ft: Poorly graded sand with gravel (SP)										
10	7 9 3 3	S6 9	9.4 11.4		SP	Loose dark brown sandy SILT, with gravel (SM), mps 1.0 in., no structure, no odor, moist, 15% cinders and ash, with crushed brick, glass, ceramics PID = 0.0/0.0 ppm	5	5	5	10	20	55				
						-FILL-										
	4 4 4 4	S7 13	11.4 13.4	7.7 11.7	SP	S7: top 4.0 in.: same as above except mps 0.5 in.		15	35	30	15	5				
					CL	S7 bottom 9.0 in.: Medium stiff olive brown lean CLAY (CL), 40% silt, mps <1 mm, no structure, no odor, wet, frequent pockets of fine sand, trace organics PID = 0.0/0.0 ppm				5	5	90				
	3 2 3 2	S8 22	13.4 15.4		CL	Similar to above except trace crushed brick PID = 0.0/0.0 ppm					5	95				
15						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/30/2010	1430	0.25	24.0	35.7	6.3*
7/1/2010	0745	16.0	24.0	39.0	8.2
7/2/2010	1045	0.5	64.0	84.0	14.5

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.4
Rock Cored (ft)	-
Samples	S13

Boring No. K7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K7

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH to 6" 1 2 2	S9 22	15.4 17.4		CL	Soft olive gray to olive brown lean CLAY (CL), mps 0.25 in., no structure, no odor, wet, frequent silt partings, frequent pockets of fine sand PID = 0.0/0.0 ppm		5			5	90				
	3 3 3 2	S10 24	17.4 19.4		CL	Medium stiff olive gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet, trace organics, occasional silt seams, with fine sand partings PID = 0.0/0.0 ppm										
						-HYDRAULIC FILL-										
20	2 2 2 2	S11 18	19.4 21.4		OL/ OH	S11 top 6.0 in.: Medium stiff black ORGANIC SOIL (OL/OH), mps <1 mm, no structure, distinct petroleum odor, wet PID = 0.0/2.3 ppm										
					CL-ML	S11 bottom 12.0 in.: Medium stiff gray lean CLAY (CL), intermixed with gray SILT (ML), mps <2 mm, no structure, slight petroleum odor, wet, with shell fragments and fine sand PID = 0.0/2.1 ppm					10	90				
	WOH to 24"	S12 20	21.4 23.4													
				-3.7 23.1	OL/ OH PT	S12 bottom 4.0 in.: Medium stiff olive brown ORGANIC SOIL (OL/OH) PID = 0.0/0.0 ppm						100				
	2 3 4 5	S13	23.4 25.4			S13: Medium stiff gray brown ORGANIC SOIL intermixed with brown fibrous PEAT										
25						-ORGANIC DEPOSITS-										
				-6.0 25.4		BOTTOM OF EXPLORATION 25.4 FT										
						Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K7

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	--	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW Drive 14.0 ft
				Hoist/Hammer: Winch Doughnut Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 24, 2010
Finish	June 25, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.2
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.6 / 0.6		-ASPHALT-										
				18.7 / 1.5		-CONCRETE/DEBRIS-										
						-FILL-										
	28 48 100/0"	S1 12	2.0 3.0	17.2 / 3.0	SW-SM	Very dense brown gray well graded SAND with silt and gravel (SW-SM), mps 1 in., no structure, no odor, moist, trace brick, asphalt in tip of spoon PID = 0.0 ppm	5	10	10	15	50	10				
						Note: Approximate former ground surface.										
				16.2 / 4.0		-ASPHALT CAP-										
	25 46*	S2 6	4.2 5.2		SW-SM	Similar to above, 30% brick PID = 0.0 ppm	10	10	10	10	50	10				
5						-FILL-										
	*100/0"	NR	6.2 6.2			Note: No recovery. Spoon bouncing on possible wood or rubber.										
	30 18 15 17	S3 16	7.2 9.2		SM	Dense gray brown silty SAND with gravel (SM), mps 1 in., no structure, no odor, wet, 10% cinders, brick, ash PID = 0.0 ppm	5	10	10	15	35	25				
	35 16	S4 12	9.2 10.2		SM	Similar to above PID = 0.0 ppm	5	10	10	15	35	25				
10				10.0 / 10.2												
	6 5 4 6	S5 20	10.2 12.2		CL	Stiff gray sandy lean CLAY (CL), mps 0.25 in., reworked, no odor, wet, trace wood PID = 0.0 ppm				5	25	70				
	5 3 4 7	S6 20	12.2 14.2		CL	Similar to above except medium stiff intermixed with brown silt PID = 0.0 ppm					35	65				
						-HYDRAULIC FILL-										
15	4 4 3 4	S7 24	14.2 16.2		OL/OH	Medium stiff brown with gray brown ORGANIC SOIL with sand (OL/OH), mps 5 mm, reworked, faint organic odor, wet, trace shells, wood PID = 0.0 ppm				5	15	80				
	4 5 7 5	S8 12	16.2 18.2		OL/OH	Similar to above except stiff PID = 0.0 ppm				10	15	75				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.2
Rock Cored (ft)	-
Samples	S11

Boring No. K14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 4 5 5	S9 12	18.2 20.2		CL	Stiff gray lean CLAY with sand (CL), mps 5 mm, reworked, no odor, wet PID = 0.0 ppm			5	5	10	80				
20	6 7 8 6	S10 24	20.2 22.2		CL	Similar to above except very stiff PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
	1 6 6 7	S11 16	22.2 24.2	-2.0 22.2	OL/ OH	Stiff dark brown ORGANIC SOIL (OL/OH), mps <1 mm, no structure, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 24.2		BOTTOM OF EXPLORATION 24.2 FT Note: Borehole grouted to surface upon completion. *Indicates use of 300-lb hammer.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 1
Start	June 24, 2010
Finish	June 24, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	20.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW to 19.0 ft
				Hoist/Hammer: Winch Doughnut Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
				0.5	ML	Medium dense olive sandy SILT (ML), mps 1.0 in., bonded, no odor, moist, trace brick, cinder PID = 0.0 ppm		5	10	15	15	55				
	10 14 25	S1 14	1.0 2.0			-FILL-										
	61 35 100/5"	S2 11	2.0 3.4		ML	Similar to above except very dense PID = 0.0 ppm		5	10	15	15	55				
				17.0 3.0		Note: Approximate former ground surface.										
				16.5 3.5		-ASPHALT CAP-										
	100/2"	NR	4.0 4.2			Note: Drilled through cobble/brick from 4.1 to 6.0 ft										
5						-FILL-										
	21 34 27 23	S3 8	6.0 8.0		GM	Very dense dark brown silty GRAVEL with sand (GM), mps 1.0 in., no structure, no odor, wet, trace cinder, brick PID = 0.0 ppm	10	50	15	5	5	15				
	20 19 13 12	S4 20	8.0 10.0		GM	Similar to above except dense, 20% cinder PID = 4.2 ppm	10	50	15	5	5	15				
				11.0 9.0	CL	Very stiff green CLAY with sand (CL), mps 5.0 mm, no structure, no odor, moist PID = 0.0 ppm				5	10	85				
10	6 5 4 6	S5 24	10.0 12.0		CL	Similar to above except stiff PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
	4 4 5 5	S6 21	12.0 14.0		CL	Similar to above except stiff PID = 0.0 ppm				5	10	85				
				6.0 14.0	OL/OH	Medium stiff brown ORGANIC SILT with sand (OL/OH), mps 5 mm, occasional sand partings, organic odor, moist PID = 0.0 ppm				5	10	85				
15	4 3 4 7	S7 12	14.0 16.0													
	4 3 4 6	S8 24	16.0 18.0		OL/OH	Similar to above PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/24/10		0.25	15.0	22.0	2.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.0
Rock Cored (ft)	-
Samples	S10

Boring No. K15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K15

File No. 12486-515
Sheet No. 2 of 1

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 3 3	S9 24	18.0 20.0		OL/ OH	Similar to above except frequent sandy clay pockets PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
20	3 3 5 6	S10 21	20.0 22.0	0.0 20.0	OL/ OH	Medium stiff dark brown ORGANIC SILT (OL/OH), mps 5.0 mm, occasional sand partings, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-				5	95					
				-2.0 22.0		BOTTOM OF EXPLORATION 22.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 24, 2010
Finish	June 24, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-BITUMINOUS ASPHALT-										
	16 19 22	S1 16	0.5 2.0	0.5 19.0		S1 top 4.0 in.: Dense CRUSHED CONCRETE										
				1.0	ML	S1 bottom 12.0 in.: Dense olive gray sandy SILT (ML), mps 2.5 in., no structure, no odor, moist, 10% clay, with crushed brick, glass, and wood fragments PID = 0.0/0.0 ppm	5	5		10	20	60				
	24 38 63 24	S2 20	2.0 4.0		ML	-FILL- S2 top 9.0 in.: Similar to above except mps 0.75 in. Note: Approximate former ground surface.		5		15	20	60				
				17.2 2.8 16.8		S2 middle 4.0 in.: ASPHALT CAP										
				3.2	SM	S2 bottom 7.0 in.: Dark brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, with crushed brick, glass, and ceramic PID = 0.0/0.0 ppm		15	5	10	40	30				
	12 14 9 10	S3 19	4.0 6.0		ML	Medium dense dark brown sandy SILT (ML), mps 0.5 in., no structure, no odor, wet, with crushed brick, glass, and metal wire PID = 0.0/0.0 ppm		5		15	25	55				
5																
	10 18 16 19	S4 14	6.0 8.0			Similar to above, with ceramic -FILL-		5		15	25	55				
	4 3 2 1	S5 16	8.0 10.0		SM	S5 top: Loose dark brown silty SAND (SM), mps 1.5 in., no structure, slight petroleum odor, wet, with crushed brick, glass, metal wire, and shell fragments PID = 0.0/0.0 ppm	5	5	5	10	40	35				
				10.2 9.8												
10	1 1 3 2	S6 15	10.0 12.0		ML CL	S5 bottom 2.0 in.: Soft gray SILT (ML), no structure, no odor, wet, 15% clay PID = 0.0/0.0 ppm S6: Soft gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet, 35% silt, trace organics with shell fragments, wood fragments, and glass, trace coal tar, frequent pockets of medium to fine sand PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5		5 5	5 10	90 80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. K16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. K16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 3 2	S7 17	12.0 14.0		CL-ML	S7 top: Medium stiff gray lean CLAY with sand (CL) intermixed with gray SILT (ML), mps 0.5 in., no structure, slight organic odor, wet, with pockets of medium to fine sand, trace organics, with shell fragments PID = 0.0/0.0 ppm		5		5	10	80				
					SM	S7 bottom 5 in.: Loose gray silty SAND (SM), mps <1 mm, no structure, slight organic odor, moist, with shell fragments PID = 0.0/0.0 ppm			5	15	40	40				
	1 1 1 1	S8 14	14.0 16.0			S8 top 4.0 in.: Similar to above			10	20	45	35				
15																
	WOH/12"	S9 23	16.0 18.0		ML	S9 bottom 10 in.: Soft gray SILT (ML), mps 0.5 in., no structure, slight organic odor, wet, with shell fragments, occasional pockets of peat and sand seams -HYDRAULIC FILL-		5		5	10	80				
	1 1															
	WOH/6"	S10 24	18.0 20.0		ML-CL	Soft gray SILT (ML) intermixed with lean CLAY (CL), mps 0.2 in., no structure, organic odor, wet, frequent pockets of coarse sand-fine gravel, with shell fragments and wood fragments, with pockets of peat PID = 0.0/0.0 ppm		5	10		5	80				
	3 2 3															
20																
	2 3 3 2	S11 22	20.0 22.0		CL-ML	Medium stiff gray lean CLAY (CL) intermixed with gray SILT (ML), mps <1 mm, no structure, organic odor, wet, with frequent pockets of sand and sand partings with shell fragments and pockets of peat PID = 0.0/0.2 ppm				5	10	85				
	3 2 3 3	S12 23	22.0 24.0		CL	S12 top 16.0 in.: Medium stiff gray to olive gray sandy lean CLAY (CL), mps <2 mm, no structure, no odor, wet, with shell fragments and trace organics PID = 0.0/0.0 ppm				20	10	70				
				-3.3 23.3	OL/OH	S12 bottom 7.0 in.: Olive brown ORGANIC SOIL (OL/OH), frequent pockets of peat -ORGANIC DEPOSITS-										
				-4.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.' WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K16

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 9.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 9, 2010
Finish	July 9, 2010
Driller	D. Crawford
H&A Rep.	D. Crawford
Elevation	20.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-BITUMINOUS ASPHALT-										
				0.5		S1 top 4.0 in.: Dense crushed concrete										
	20 22 28	S1 16	0.5 2.0	19.1 0.9	ML	S1 bottom 12.0 in.: Dense olive-gray sandy SILT with gravel (ML), mps 1.5 in., no structure, no odor, moist, with crushed brick, wood fragment and glass PID = 0.0/0.0 ppm	5	10	5	5	20	55				
	18 20 25 33	S2 17	2.0 4.0		ML	S2: Similar to above except mps 1.0 in. PID = 0.0/0.0 ppm		10	5	5	20	60				
				16.3		-FILL- Note: Approximate former ground surface.										
				3.7		-ASPHALT CAP-										
	13 13 12 12	S3 21	4.0 6.0	16.0 4.0	SM	Medium dense dark brown silty SAND (SM), mps 0.5, no structure, slight smoky odor, moist, 20% cinder and ash, with glass, crushed brick and wood fragments, with metal PID = 0.0/0.5 ppm		5	5	20	35	35				
5	11 11 9 10	S4 14	6.0 8.0		SM	S4 top 7.0 in.: Similar to above PID = 0.0/0.0 ppm		5	5	15	40	35				
				12.6		-FILL-										
				7.4	ML	S4 bottom 7.0 in.: Medium dense gray SILT with sand (ML), mps <2 mm, no structure, no odor, moist, pockets of orange-brown silt			5	5	10	80				
	4 3 4 4	S5 13	8.0 10.0		ML	S5: Medium stiff dark gray to black SILT with sand (ML), mps 0.5 in., no structure, slight organic odor, wet, with little organics, wood fragment PID = 0.0/0.2 ppm		5		10	10	75				
10	1 2 2 1	S6 12	10.0 12.0		ML	Soft dark gray to black SILT (ML), 20% clay, mps 0.5 in., no structure, slight organic odor, wet, with little organics, wood fragments, occasional sand seams PID = 0.0/0.0 ppm		5		5	5	85				
	1 2 1 2	S7 24	12.0 14.0		ML	Similar to above PID = 0.0/0.6 ppm										
						-HYDRAULIC FILL-										
15	1 1 1 1	S8 14	14.0 16.0		ML/ CL	Soft dark gray to black SILT (ML) interbedded with dark gray lean CLAY (CL) with some organics, mps 0.5 in., no structure, organic odor, wet, 5% glass, with shell fragments, frequent pockets of sand PID = 0.0/0.0 ppm		5		5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. K17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. K17

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 2 1 2	S9 24	16.0 18.0		ML/ CL	Soft black SILT (ML) with some organics interbedded with gra bands of lean CLAY (CL), mps 0.75 in., slight organic odor, wet, with shell fragments, glass and ceramic, frequent pockets of sand PID = 0.0/0.0 ppm		5		5	5	85				
	2 2 2 2	S10 18	18.0 20.0		ML/ CL	Similar to above except glass and ceramics PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5			5	90				
20	WOH/12" 1 1	S11 20	20.0 22.0		CL- ML	Soft olive-brown lean CLAY (CL) interbedded with SILT (ML), mps <1 mm, no structure, slight organic odor, wet, with shell fragment and glass, occasional fine sand partings PID = 0.0/0.0 ppm				5	5	90				
	1 1 1 1	S12 22	22.0 24.0		CL- ML	S12 top 10.0 in.: Similar to above except mps 0.5 in., glass PID = 0.0/0.0 ppm		5		5	5	85				
				-3.0 23.0	OL/ OH	S12 bottom 12.0 in.: Soft olive-brown ORGANIC SOIL (OL/OH), distinct organic odor, mps <1 mm -ORGANIC DEPOSITS-					5	95				
				-4.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 18, 2010
Finish	June 18, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.1		-ASPHALT-										
				0.5		-CONCRETE/RUBBLE-										
				18.7												
	32 31 55 49	S1 14	1.0 3.0	0.9	SM	Very dense brown silty SAND with gravel (SM), trace brick, concrete, mps 1.0 in., no structure, no odor, dry PID = 0.0 ppm	5	10	15	15	30	25				
						-FILL-										
	48 29	S2 6	3.0 3.6		SM	Similar to above PID = 0.0 ppm	5	10	20	20	20	25				
	100/2"	S3 6	3.6 4.3		SM	Similar to above	5	10	20	20	20	25				
				15.3		Note: Asphalt in tip of spoon and in wash from 4.3 to 5.0 ft.										
				4.3		PID = 0.0 ppm										
				14.6		Note: Approximate former ground surface.										
5				5.0		-ASPHALT CAP-										
				14.1		-RUBBLE FILL-										
				5.5												
	8 3 6 4	S4 6	5.6 7.6		CL	Stiff dark gray with brown sandy lean CLAY with gravel (CL), trace brick, cinders, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	10	10	10	55				
	4 2 2 3	S5 6	7.6 9.6		CL	Similar to above except soft PID = 0.0 ppm	5	10	5	5	20	55				
						-HYDRAULIC FILL-										
10	1/12" 1 1	S6 20	9.6 11.6		OL/ OH	Very soft brown with gray sandy ORGANIC SOIL (OL/OH) intermixed with sand, clay, silt, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	10	20	65				
	2 2 2 2	S7 10	11.6 13.6		OL/ OH	Similar to above except soft PID = 0.0 ppm			5	10	20	65				
15	1/12" 2 3	S8 20	13.6 15.6		OL/ OH	Similar to above PID = 0.0 ppm				10	25	65				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/18/10	1145	0.25	19.0	25.6	3.2*
		*Not stabilized			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.6
Rock Cored (ft)	-
Samples	S13

Boring No. K18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K18

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 3 5	S9 24	15.6 17.6		CL	Medium stiff gray with dark brown lean CLAY with sand (CL) intermixed with sand, silt, organic soil, trace wood, mps 0.25 in., no odor, wet PID = 0.0 ppm				10	15	75				
	3 4 2 4	S10 24	17.6 19.6		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-				10	15	75				
20	8 4 5 3	S11 24	19.6 21.6		CL	Similar to above except stiff PID = 0.0 ppm					20	80				
	1 1 2 2	S12 20	21.6 23.6	-2.0 21.6	OL/ OH	Soft brown ORGANIC SOIL (OL/OH), trace peat, mps <1 mm, no structure, organic odor, wet PID = 0.0 ppm						100				
25	3 4 5 5	S13 24	23.6 25.6		OL/ OH	Similar to above except stiff, frequent pockets of peat, strong organic odor Note: Did not submit for testing. PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 25.6		BOTTOM OF EXPLORATION 25.6 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. K18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L6

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME-75 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 1, 2010
Finish	July 1, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	19.7
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.2 0.5		-ASPHALT-										
	15 19 21 20	S1 9	0.7 2.7		ML	Dense gray sandy SILT with gravel (ML), trace brick, mps 1.0 in., bonded, no odor, moist PID = 0.0/0.0 ppm	5	10	10	10	10	55				
	28 17 19 59	S2 6	2.7 4.7		ML	Similar to above PID = 0.0/0.0 ppm -FILL-	5	10	10	10	10	55				
5	44 100/1"	S3 7	4.7 5.3	14.5 5.2	GP	Very dense gray poorly graded GRAVEL with sand (GP), mps 1-3/8 in., no structure, no odor, wet PID = 0.0/0.0 ppm	15	40	30	10	5					
				14.0 5.7		Note: Approximate former ground surface. -ASPHALT EM-1 CAP- Note: Drilled through gravel, cobbles from 5.7 to 6.7 ft.										
	30 14 10 18	S4 10	6.7 8.7		SP-SM	Medium dense dark gray poorly graded SAND with silt (SP-SM), mps 1.0 in., 10% cinder, brick, no structure, no odor, moist PID = 0.0/0.0 ppm -FILL-			60	15	15	10				
	9 9 11 15	S5 17	8.7 10.7	11.0 8.7	CL	Very stiff gray CLAY with sand (CL), mps 5 mm, trace brick, no structure, no odor, moist PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5	5	5	85				
10	6 4 4 8	S6 9	10.7 12.7		CL	Similar to above except medium stiff PID = 0.0/0.0 ppm			5	5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.7
Rock Cored (ft)	-
Samples	S11

Boring No. L6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L6

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	13 22 17 8	S7 13	12.7 14.7		CL	Similar to above except hard, occasional gravel pockets PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5	5	5		85				
15	4 3 3 4	S8 20	14.7 16.7		CL	Medium stiff gray lean CLAY with sand (CL), mps 5 mm, no structure, no odor, moist PID = 0.0/0.0 ppm			5	5	10	80				
	8 8 6 7	S9 24	16.7 18.7		CL	Similar to above except stiff PID = 0.0/0.0 ppm			5	5	10	80				
	4 6 6 4	S10 24	18.7 20.7		CL	Similar to above PID = 0.0/0.0 ppm			5	5	5	85				
20	3 6 9 9	S11 24	20.7 22.7	-1.5 21.2	CL	Similar to above										
					OL/OH	Very stiff dark brown sandy ORGANIC SILT (OL/OH), mps 5 mm, frequent sand partings, organic odor, moist PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-			5	5	5	85				
				-3.0 22.7		BOTTOM OF EXPLORATION 22.7 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L6

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L7

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 28, 2010
Finish	June 29, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	20.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW to 15.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-BITUMINOUS ASPHALT-										
				0.5		S1 top 4.0 in.: Dense crushed CONCRETE										
	12 40 74	S1 12	0.5 2.0	19.2 0.8	SM	S1 bottom 8.0 in.: Dense olive gray silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, moist, with crushed brick, ceramic, and glass PID = 0.0/0.0 ppm	5	10	5	15	35	30				
	12 6 14 8	S2 14	2.0 4.0		GP	S2 top 3.0 in.: Medium dense gray poorly graded GRAVEL (GP), mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm		50	10	20	20					
						S2 bottom 11 in.: Medium dense olive brown sandy SILT (ML), mps 0.25 in., no structure, no odor, moist, with crushed brick			5	10	20	65				
						-FILL-										
	8 53 32 100/3"	S3 13	4.0 5.8		ML	S3 top 7.0 in.: Similar to above except mps 0.5 in., with glass PID = 0.0/0.0 ppm										
				15.3 4.7		-ASPHALT-										
5				14.8 5.2		Note: Drilled through obstruction from 5.8 to 7.5 ft.										
	17/8'	S4 6	6.0 8.0		SM	Medium dense dark brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, with glass and ceramic PID = 0.0/0.0 ppm		5	5	25	40	25				
	5 6 5 3	S5 2	8.0 10.0		ML	Note: Minimal recovery. Overdrove 3-in. spoon. Loose dark brown sandy SILT (ML), mps 0.3 in., no structure, no odor, wet, with crushed brick, ceramic, and glass, 20% cinders and ash PID = 0.0/0.0 ppm										
						-FILL-										
10	7 3 5 5	S6 2	10.0 12.0		SM	Minimal recovery - Overdrove 3-in. spoon to 12.0 ft. Very loose dark brown sandy SILT (SM) intermixed with mostly wash PID = 0.0/0.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	
Samples	S12

Boring No. L7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L7

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 5 5 5	S7 2	12.0 14.0		SM	Note: Overdrove 3-in. spoon to 14.0 ft. Similar to above PID = 0.0/0.0 ppm -FILL-										
				6.0 14.0												
15	3 5 2 2	S8 0	14.0 16.0		CL	Note: No recovery. Overdrove 3-in. spoon. Medium stiff olive-gray lean CLAY (CL), mps 1 in., no structure, no odor, wet, trace organics, with frequent silt seams and fine sand partings PID = 0.0/0.0 ppm	5	5		5	5	80				
	4 3 3 5	S9 18	16.0 18.0		CL	Similar to above except mps 0.75 in., with shell fragments PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5		5	5	85				
	2 2 2 2	S10 21	18.0 20.0		CL	Medium stiff olive gray lean CLAY (CL), 35% silt, mps 0.5 in., no structure, no odor, wet, with trace organics, frequent silt partings and fine sand partings, with shell fragments PID = 0.0/0.0 ppm		5			5	90				
20	4 3 4 4	S11 6	20.0 22.0		OL/ OH/ CL	Medium stiff black ORGANIC SILT (OL/OH), intermixed with gray lean CLAY (CL), mps 0.2 in., no structure, slight petroleum odor, wet, with shell fragments and fine sand pockets PID = 0.0/4.1 ppm			5		10	85				
	3 5 6 5	S12 19	22.0 24.0			S12 top 13.0 in.: Stiff olive gray to olive brown lean CLAY (CL), mps 0.5 in., no structure, slightly organic odor, wet, with shell fragment, trace fine sand PID = 0.0/0.2 ppm		5			5	90				
				-3.5 23.5	OL/ OH	S12 bottom 6.0 in.: Olive brown ORGANIC SOIL (OL/OH), mps <1 mm, distinct organic odor, moist PID = 0.0/0.0 ppm						100				
				-4.0 24.0		-ORGANIC DEPOSITS- BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L7

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 1, 2010
Finish	June 1, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	19.8
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: PW Driven to 5.0 ft; HW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.4		-ASPHALT-										
	14 12	S1 7	0.4 1.0	0.4	GP	Medium dense gray poorly graded GRAVEL with sand (GP), mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm	10	45	30	10	5					
	22 27 39 56	S2 11	1.0 3.0		ML	Very dense gray SILT with sand (ML), trace brick, mps 0.25 in., weakly bonded, no odor, moist PID = 0.0 ppm				10	10	80				
						-FILL-										
	100/2"	S3 4	3.0 3.2		GP	Very dense poorly graded GRAVEL with sand (GP) intermixed with 60% brick, no structure, no odor, wet PID = 0.0 ppm	5	60	30	10	5					
				15.3 4.5		Note: Drilled through cobbles from 3.2 to 4.5 ft. Note: Approximate former ground surface.										
5				14.8 5.0		-ASPHALT-										
	88 39 45 41	S4 13	5.0 7.0		GP-GM	Very dense poorly graded GRAVEL with silt and sand (GP-GM) intermixed with 70% cinders, ash, brick, trace wood, metal, mps 1.0 in., no structure, creosote-like odor, moist PID = 0.0 ppm	10	60	10	5	5	10				
	27 12 20 24	S5 15	7.0 9.0		GP-GM	Similar to above except medium dense, 15% cinders, ash, brick PID = 0.0 ppm	10	60	10	5	5	10				
						-FILL-										
	10 11 8 4	S6 4	9.0 11.0	10.8 9.0	CL	Very stiff gray to black sandy CLAY (CL), trace brick, mps 0.25 in., no structure, organic odor, wet PID = 9.4 ppm					15	85				
10	6 5 5 7	S7 9	11.0 13.0		CL	Similar to above except stiff PID = 3.2 ppm					15	85				
						-HYDRAULIC FILL-										
	2 2 2 4	S8 14	13.0 15.0		CL	Similar to above except soft PID = 0.0 ppm					15	85				
15	1 2 4 4	S9 21	15.0 17.0		CL	Similar to above except medium stiff PID = 0.0 ppm					15	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/1/10		0.25	15.0	25.0	6.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S13

Boring No. L12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L12

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 3 3 4	S10 4	17.0 19.0		CL	Similar to above except occasional organic pockets PID = 0.0 ppm					15	85				
20	2 2 3 3	S11 24	19.0 21.0		CL	Medium stiff gray to black CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm					15	85				
	3 3 4 5	S12 24	21.0 23.0		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
	2 3 3 2	S13 24	23.0 25.0		CL	Similar to above PID = 0.0 ppm					15	85				
25				-5.2 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 5
Start	July 9, 2010
Finish	July 13, 2010
Driller	J. Galvin
H&A Rep.	O. Lawler
Elevation	20.1
Datum	BCB
Location	

	Casing	Sampler	Barrel
Type	HW/NW	S	NQ/HQ
Inside Diameter (in.)	4/3	1 3/8	2/2.5
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Drive to 64.0 ft; HW Drive to 24.0 ft.
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.6		-ASPHALT-										
	18 34 27	S1 8	0.5 2.1	0.5	ML	Very dense olive sandy SILT with gravel (ML), mps 1.0 in., bonded, no odor, moist PID = 0.0/0.0 ppm	5	10	20	10	5	50				
						-FILL-										
	44 20 100/5"	S2 11	2.1 3.6		ML	Similar to above Note: Drilled through concrete from 3.8 ft to 4.1 ft.										
				16.6 3.5		Note: Approximate former ground surface.										
				16.3 3.8		-ASPHALT EM-1 CAP-										
	100/3"	S3 4	4.1 4.4		SP	Very dense gray poorly graded SAND (SP), mps 1-3/8 in., 80% brick, concrete, no structure, no odor, moist PID = 0.0/0.1 ppm Note: Drilled though brick, concrete from 4.3 to 6.1 ft.										
5						-FILL-										
	100/2"	S4 2	6.1 6.3		SP	Similar to above PID = 0.0/0.1 ppm Note: Drilled though brick, concrete from 6.3 to 8.1 ft.										
	11 13 15 16	S5 24	8.1 10.1		SP	Medium dense dark gray poorly graded SAND (SP), mps 0.25 in., no structure, no odor, moist PID = 0.0/0.0 ppm			45	30	25					
10				10.0												
	10 11 16 9	S6 20	10.1 12.1	10.1	OL/OH	Very stiff black ORGANIC SILT with sand (OL/OH), mps 0.25 in., trace gravel, brick, no structure, no odor, moist PID = 0.0/0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
	4 4 2 3	S7 9	12.1 14.1		OL/OH	Similar to above except medium stiff PID = 0.0/0.0 ppm			5	5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/12/2010	0730		31.0	46.0	9.4
7/13/2010	7:30		64.0	74.0	7.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	66
Rock Cored (ft)	20
Samples	S18, C4

Boring No. L13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L13

File No. 12486-515
Sheet No. 2 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	3 2 2 4	S8 24	14.1 16.1		OL/OH	Similar to above except soft occasional sand pockets PID = 0.0/0.0 ppm			5	5	10	80				
						-HYDRAULIC FILL-										
	3 4 5 5	S9 24	16.1 18.1		OL/OH	Similar to above except stiff PID = 0.0/0.0 ppm			5	5	10	80				
	2 2 3 5	S10 24	18.1 20.1		OL/OH	Similar to above except medium stiff, occasional clay pocket PID = 0.0/0.0 ppm			5	5	10	80				
20	7 5 5 7	S11 27	20.1 22.1		OL/OH	Similar to above except stiff PID = 0.0/0.0 ppm				5	10	85				
	2 2 3 4	S12 27	22.1 24.1	-2.0 22.1	OL/OH	Medium stiff brown ORGANIC SILT (OL/OH), mps 5 mm, occasional sand partings, no odor, moist PID = 0.0/0.0 ppm					5	95				
25						-ORGANIC DEPOSITS-										
30	2 2 3 3	S13 7	29.0 31.0	-6.4 26.5	CL	Medium stiff gray lean CLAY with sand (CL) trace gravel, mps 0.25 in., occasional sand partings, no odor, moist PID = 0.0/0.0 ppm				5	10	85				
						-MARINE DEPOSITS-										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L13

File No. 12486-515

Sheet No. 3 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
35						-MARINE DEPOSITS-										
40	10 11 16 24	S14 24	39.0 41.0		CL	Hard gray lean CLAY with sand (CL), mps 5 mm, frequent sand partings, no odor, moist			5	10	10	75	N	L	L	
				-22.4 42.5		Note: Drill action indicates gravel from 42.5 to 44.0 ft.										
45	13 26 33 37	S15 16	44.0 46.0		CL	Very hard gray gravelly lean CLAY with sand (CL), mps 1-3/8 in., no structure, no odor, moist	10	15	5	5	10	55				
						-GLACIOMARINE DEPOSITS-										
				-26.9 47.0												
50	14 44 50 35	S16 20	49.0 51.0		GC	Very dense gray clayey GRAVEL (GC), mps 1-3/8 in., no structure, no odor, wet	15	40	10	10	5	20				
						-GLACIOMARINE DEPOSITS-										
				-32.4 52.5												
						-GLACIAL TILL-										
55	22 35 40 48	S17 11	54.0 56.0		ML	Very dense olive-gray SILT with sand (ML), mps 0.25 in., bonded, no odor, moist		5	5	5	5	80				

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L13

File No. 12486-515
Sheet No. 4 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
						-GLACIAL TILL-										
	43 100/4"	S18 7	59.0 59.8		ML	Similar to above Note: Argillite fragments in spoon tip.		5	5	5	5	80				
60						TOP OF BEDROCK 61.0 FT										
				-40.9 61.0												
	100/0"	NR 0	64.0 64.1			Note: No recovery. Note: Spin NW casing to 64.0 ft prior to core run C1.										
65						SEE CORE BORING REPORT FOR ROCK DETAILS										
70																
75																

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L13

HALEY & ALDRICH

CORE BORING REPORT

Boring No. L13
File No. 12486-515
Sheet No. 5 of 5

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	3.25	C1	64.0 69.0	59 58	98 97	Fresh		Medium hard slightly weathered gray fine grained ARGILLITE. Bedding is very thin low angle. Primary joint set is parallel to bedding, close to moderately spaced, smooth planar, discolored, tight to partly open. Occasional calcite infilling along joint surfaces.
65	3.25							
	3.25							
	3.0							
	3.0							
	3.0	C2	69.0 74.0	59 51	98 85	Fresh		Similar to above
70	3.25							
	3.25							
	3.25							
	3.25							
	3.25	C3	74.0 79.0	59 57	98 95	Fresh		Similar to above
75	3.25							-BEDROCK-
	3.25							
	3.25							
	3.25							
	3.5	C4	79.0 84.0	56 56	93 93	Fresh		Similar to above
80	3.5							
	3.5							
	3.5							
	3.5							
	3.5						-63.9 84.0	BOTTOM OF EXPLORATION 84.0 FT
85								Note: Borehole grouted to surface upon completion.

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW Drive to 14.0 ft
				Hoist/Hammer: Winch Doughnut Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 25, 2010
Finish	June 25, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.0
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
				0.5		-FILL-										
	14 36	S1 8	1.0 2.0		SM	Very dense gray brown silty SAND with gravel (SM), mps 1 in., no structure, no odor, moist, trace brick PID = 0.0 ppm	5	10	10	20	30	25				
	12 36 105	S2 12	2.0 3.5		SW	Very dense gray brown well graded SAND with gravel (SW), mps 1 in., no structure, no odor, moist PID = 0.0 ppm Note: Approximate former ground surface.	5	10	20	30	30	5				
				16.5												
				3.5		-ASPHALT CAP-										
	20 100/4"	S3 4	4.0 4.9	16.0 4.0	SW-SM	Very dense red brown well graded SAND with silt and gravel (SW-SM), mps 1 in., no structure, no odor, moist, 10% brick, cinder	5	10	10	30	35	10				
				15.1 4.9												
5																
	100/0"	NR	6.0 6.1			-RUBBLE FILL-										
				13.0 7.0												
	93 51	S4 4	7.0 8.0		SM	Very dense dark brown silty SAND with gravel (SM), mps 1 in., no structure, no odor, moist, 20% cinders, brick, wood, ash PID = 0.0 ppm	5	10	10	15	40	20				
	18 13* 13* 14*	S5 14	8.0 10.0		SM	Similar to above PID = 0.0 ppm *Indicates use of 300-lb hammer.	5	10	10	15	40	20				
						-FILL-										
				10.0												
10	5 2 3 4	S6 12	10.0 12.0	10.0	CL	Medium stiff gray with brown sandy lean CLAY, mps 0.25 in., reworked, no odor, wet, trace cinders, wood, ash PID = 0.0 ppm			5	10	30	55				
	2 5 7 6	S7 22	12.0 14.0		OL/OH	Stiff brown sandy ORGANIC SOIL (OL/OH), mps <5.0 mm, reworked, no odor, wet PID = 0.0 ppm				10	20	70				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/28/10	1130	0.5	24.0	24.0	4.3
6/29/10	1345	1.0	49.0	68.5	12.7

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. L14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 2 3	S8 24	14.0 16.0		OL/ OH	Similar to above except soft PID = 0.0 ppm					30	70				
	5 5 5 8	S9 24	16.0 18.0		OL/ OH	Similar to above except stiff, trace cinders PID = 0.0 ppm -HYDRAULIC FILL-				5	25	70				
	7 4 3 3	S10 24	18.0 20.0		CL	Medium stiff gray lean CLAY with sand (CL), mps <5 mm, reworked, no odor, wet PID = 0.0 ppm				5	15	80				
20	1 1 4 6	S11 24	20.0 22.0		OL/ OH	Medium stiff brown ORGANIC SOIL (OL/OH), mps <2 mm, no structure, organic odor, wet PID = 0.0 ppm					5	95				
	7 6 7 6	S12 20	22.0 24.0	-2.0 22.0	OL/ OH	Stiff brown ORGANIC SOIL (OL/OH), mps <1 mm, frequent pockets of peat, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 25, 2010
Finish	June 25, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	20.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	--
Inside Diameter (in.)	4/3	1 3/8	--
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW casing to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
	24 31 56	S1 10	0.5 2.0	0.5	ML	Very dense olive sandy SILT with gravel (ML), trace brick, mps 0.75 in., bonded, no odor, moist PID = 0.0 ppm		15	20	5	10	50				
				18.1 1.9		-FILL-										
	100/2"	S2 2	2.0 2.3	17.7 2.3		Note: Approximate former ground surface. -ASPHALT CAP- Note: Drilled through cobbles, brick from 2.2 to 6.0 ft. Note: Approximate former ground surface.										
	100/0"	NR 0	4.0 4.1			-FILL-										
5	9 7 7 6	S3 16	6.0 8.0		SM	Medium dense dark brown silty SAND (SM), mps 1.0 in., no structure, no odor, moist, 10% brick, cinder PID = 0.0 ppm		5	25	20	20	30				
	16 5 6 6	S4 20	8.0 10.0		SM	Similar to above. PID = 0.0 ppm		5	25	20	20	30				
10	6 3 3 4	S5 24	10.0 12.0	10.0 10.0	CL	Medium stiff gray lean CLAY with sand (CL), mps 5 mm, occasional sand partings, no odor, moist PID = 0.0 ppm			5	5	5	85				
	7 5 5 6	S6	12.0 14.0		CL	Similar to above except stiff, wet PID = 0.0 ppm										
15	4 4 3 4	S7 24	14.0 16.0		CL	Similar to above except medium stiff, occasional sandy pockets PID = 0.0 ppm -HYDRAULIC FILL-			5	5	5	85				
	5 3 4 4	S8 21	16.0 18.0		CL	Similar to above PID = 0.0 ppm			5	5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/25/10		0.25	15.0	22.0	1.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.0
Rock Cored (ft)	-
Samples	S10

Boring No. L15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 3 3 2	S9 24	18.0 20.0		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-			5	5	5	85				
20	2 2 2 6	S10 24	20.0 22.0		CL	Similar to above except soft PID = 0.0 ppm			5	5	5	85				
				-1.5 21.5 -2.0 22.0	OL/ OH	Stiff dark gray ORGANIC SILT (OL/OH), mps 5 mm, no structure, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				

BOTTOM OF EXPLORATION 22.0 FT

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	--	Rig Make & Model: CME-75 ATV
Inside Diameter (in.)	4/3	1 3/8	--	Bit Type: Roller Bit
Hammer Weight (lb)	300	140	-	Drill Mud: None
Hammer Fall (in.)	24	30	-	Casing: HW to 15.0 ft
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 25, 2010
Finish	June 25, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.8
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-BITUMINOUS ASPHALT-										
	20 27 30	S1 16	0.3 1.8	0.3 19.1		S1 top 5.0 in.: Dense CRUSHED CONCRETE										
				0.7		S1 bottom 11.0 in.: Dense oliver gray sandy SILT with gravel (ML), mps 2.0 in., no structure, no odor, moist, with crushed brick and glass, 10% clay PID = 0.0/0.0 ppm	5	10	5	5	20	55				
						-FILL-										
	90 40 27 31	S2 16	1.8 3.8	17.8 2.0		Similar to above except mps 0.5 in. PID = 0.0/0.0 ppm		15	5	5	20	55				
				17.4 2.4	ML	Note: Approximate former ground surface. -ASPHALT CAP- S2 bottom 9.0 in.: Dense dark brown sandy SILT (ML), mps 0.75 in., no structure, peat moss odor, moist, with crushed brick, glass, and ceramic		5	5	5	25	60				
	11 12 16 22	S3 18	3.8 5.8		ML	Medium dense dark brown silty SAND (SM), mps 0.75 in., no structure, slight organic odor, moist, with wood fragment, glass, and metal wire PID = 0.0/0.0 ppm		5	5	25	40	25				
5						-FILL-										
	30 33 17 11	S4 15	5.8 7.8		SM	S4 top 6.0 in.: Similar to above except mps 0.5 in., (SM) PID = 0.0/0.0 ppm		5	5	25	40	25				
					GP-GM	S4 middle 6.0 in.: Dense gray poorly graded GRAVEL with silt and sand (processed gravel mixed with crushed concrete) (GP), mps 0.5 in., no structure, concrete odor, moist		50	5	15	20	10				
					ML	S4 bottom 3.0 in.: Medium stiff gray brown sandy SILT (ML), mps <1 mm, no structure, no odor, moist, 10% clay				10	20	70				
	5 4 3 3	S5 20	7.8 9.8	12.0 7.8	CL-OH	Medium stiff gray lean CLAY (CL), interbedded with black ORGANIC SILT (OH), mps 0.25 in., no structure, organic odor, wet, with shell fragments and distinct staining, frequent sand seams										
						-HYDRAULIC FILL-										
10	2 1 1 1	S6 23	9.8 11.8		OH-ML	Very soft black ORGANIC SILT (OH) interbedded with gray brown SILT (ML), mps <2 mm, no structure, slight petroleum-like odor, wet, significant amount of fibrous peat in bottom 3.0 in., with shell fragments and sand seams PID = 0.0/0.0 ppm				5	5	90				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.8
Rock Cored (ft)	-
Samples	S12

Boring No. L16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 2 2	S7 15	11.8 13.8		SM-CL	Loose to soft gray SILT with sand (SM), intermixed with gray lean CLAY with sand (CL), mps <1 mm, no structure, slight organic odor, wet, with shell fragments, trace organics, trace peat				5	15	80				
	WOH to 6" 1 1 1	S8 19	13.8 15.8		CL	S8 top 12.0 in.: Similar to above PID = 0.0/0.0 ppm				5	15	80				
					CL	S8: middle 4.0 in.: Medium stiff olive gray lean CLAY (CL), 35% silt, mps <1 mm, no structure, no odor, wet					5	95				
15					ML	S8 bottom 3.0 in.: Medium stiff gray sandy SILT (ML), mps <1 mm, no structure, no odor, moist, with shell fragments, trace organics				10	20	70				
	4 4 4 3	S9 23	15.8 17.8		CL-ML	Medium stiff gray lean CLAY (CL) intermixed with gray SILT with sand (ML), mps 0.25 in., no structure, organic odor, wet, with shell fragment, pockets of peat and fine sand										
	1 1 1 2	S10 19	17.8 19.8		CL-ML	Similar to above except mps <1 mm, shell fragments more numerous -HYDRAULIC FILL-										
20	3 2 2 1	S11 18	19.8 21.8		ML-CL	Medium stiff gray SILT (ML) intermixed with gray lean CLAY (CL), mps <1 mm, no structure, slight organic odor, wet, with shell fragments and trace organics, frequent sand seams										
	WOR to 12" 1 1	S12 17	21.8 23.8		ML-CL	S12 top 11.0 in.: Similar to above										
				-3.0 22.8	OL/OH	S12 bottom 6.0 in.: Olive brown ORGANIC SOILS (OL/OH), with shell fragment and peat -ORGANIC DEPOSITS-						100				
				-4.0 23.8		BOTTOM OF EXPLORATION 23.8 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 8, 2010
Finish	July 8, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.7
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0				19.5		-BITUMINOUS ASPHALT-										
	15 23 19	S1 17	0.2 1.7	0.2 19.1		S1 top 4.0 in.: Dense gray crushed concrete										
				0.6	ML	S1 bottom 13.0 in.: Dense olive-gray sandy SILT with gravel (ML), 10% clay, mps 2.0 in., no structure, no odor, moist, with crushed brick and glass PID = 0.0/0.0 ppm	5	10		15	20	50				
	50 40 30 40	S2 17	1.7 3.7			-FILL- Note: Approximate former ground surface.										
				17.4 2.3		-ASPHALT CAP-										
				17.1 2.6	SP	S2 middle 3.0 in.: Dense poorly graded SAND with gravel (SP), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	10	20	30	25	5				
					SM	S2 bottom 8.0 in.: Dense dark brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, with glass, metal, crushed brick and ceramic		15	10	20	30	25				
	27 33 40 18	S3 22	3.7 5.7		SP	S3: Very dense red-gray poorly graded SAND with gravel (SP), mps 0.75 in., no structure, no odor, moist, with plastic and ceramic PID = 0.0/0.0 ppm		20	30	35	10	5				
5	9 9 5 3	S4 10	5.7 7.7		ML	S4: Medium dense dark brown sandy SILT (ML), mps 1.0 in., no structure, smoky odor, moist, 25% cinders and ash, 10% crushed brick, with glass and ceramic PID = 0.0/0.0 ppm	5	5	5	15	20	50				
	4 6 5 2	S5 12	7.7 9.7		ML	Similar to above except mps 0.75 in., with metal wire PID = 0.0/0.0 ppm		10	10	10	20	50				
						-FILL-										
10	2 2 2 4	S6 0	9.7 11.7			Note: No recovery. Overdrove 3-in. spoon.		5		5	5	85				
				9.2 10.5	ML	Loose dark gray to black SILT (ML) with organics, mps 0.5 in., no structure, organic odor, wet, with glass, crushed brick, ceramic and slag PID = 0.0/0.0 ppm										
	1 2 2 1	S7 5	11.7 13.7		ML	Similar to above except mps 0.5 in., no slag PID = 0.0/0.0 ppm		5			5	90				
						-HYDRAULIC FILL-										
15	1 1 1 1	S8 21	13.7 15.7		ML	Very soft olive-gray to gray SILT (ML), mps 0.5 in., no structure, no odor, moist, 15% clay, with shell fragments, wood fragments, and frequent pockets of sand PID = 0.0/0.0 ppm		5			10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.7
Rock Cored (ft)	-
Samples	S12

Boring No. L17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L17

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/12" 1 1	S9 2	15.7 17.7		ML	Similar to above except with sand, occasional sand seams, with glass PID = 0.0/0.0 ppm		5		5	10	80				
	1 1 1 1	S10 20	17.7 19.7		ML/ CL	Very soft gray SILT (ML) interbedded with gray lean CLAY (CL), mps <1 mm, no structure, no odor, moist, little organics, with shell fragments and occasional fine sand pockets, with wood fragments PID = 0.0/0.0 ppm				5	5	90				
20	1 1 1 1	S11 23	19.7 21.7		ML/ CL	Loose gray SILT (ML) interbedded with very soft gray lean CLAY (CL), mps 0.25 in., no structure, no odor, moist, with shell fragments, wood fragments and occasional sand partings, with trace organics PID = 0.0/0.0 ppm		5			10	85				
	1 1 1 1	S12 19	21.7 23.7		ML/ CL	Similar to above except with little organics -HYDRAULIC FILL-		5		5	5	85				
				-4.0 23.7		BOTTOM OF EXPLORATION 23.7 FT										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 17, 2010
Finish	June 17, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.0		-ASPHALT-										
				0.5		-CONCRETE-										
	32	S1 6	1.0 1.5	18.6 0.9	SM	Very dense gray-brown silty SAND with gravel (SM), trace brick, concrete, cinder, mps 1.0 in., no structure, no odor, dry PID = 0.0 ppm	5	10	10	10	40	25				
	18 33 24 48	S2 14	1.5 3.5		SM	S2: Similar to above -FILL- Note: 2.0 in. asphalt in tip of spoon. PID = 0.0 ppm	5	10	10	15	35	25				
				16.2 3.3		Note: Approximate former ground surface.										
	34 49 13 7	S3 6	3.5 5.5	15.8 3.7	GW	-ASPHALT CAP- Very dense gray-brown well-graded GRAVEL with sand (GW), trace concrete, brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	30	50	10	5	5					
5	9 8 3 4	S4 6	5.5 7.5		SM	Medium dense dark brown silty SAND with gravel (SM), 25% cinders, brick, ash, mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm -FILL-	5	10	15	20	25	25				
	3 2 3 10	S5 10	7.5 9.5	12.0 7.5	CL	Medium stiff gray with brown lean CLAY with sand (CL) intermixed with organic soil, silt,trace brick, cinder, wood, ash, mps 0.25 in., no odor, wet PID = 0.0 ppm		5	5	5	10	75				
10	1 2 3 3	S6 24	9.5 11.5		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-					25	75				
	2 2 3 3	S7 20	11.5 13.5		OL/OH	Medium stiff brown sandy ORGANIC SOIL (OL/OH) intermixed with silt and lean clay, trace cinders, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	10	15	70				
15	1 1 3 1	S8 20	13.5 15.5		OL/OH	Similar to above except soft PID = 0.0 ppm			5	10	15	70				
	1 5 6 5	S9 24	15.5 17.5		OL/OH	Similar to above except stiff, trace wood and shells PID = 0.0 ppm			5	10	25	60				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/17/10	11400	0.25	19.0	25.5	3.2*

*Not stratified

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.5
Rock Cored (ft)	-
Samples	S13

Boring No. L18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L18

File No. 12486-515
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Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 2 2	S10 20	17.5 19.5		CL	Soft gray with brown sandy lean CLAY (CL) intermixed with organic soil and silt, trace cinders, mps 1.0 in., no odor, wet, reworked PID = 0.0 ppm	5	5		10	15	65				
20	12 9 4 4	S11 14	19.5 21.5		CL	Similar to above except stiff, faint organic odor Note: Wood in wash from 19.5 to 21.5 ft. PID = 0.0 ppm -HYDRAULIC FILL-		5		10	25	60				
	WOR 1 2 2	S12 8	21.5 23.5		OL/ OH	Soft brown ORGANIC SOIL (OL/OH), mps <5 mm, no structure, organic odor, wet PID = 0.0 ppm					5	95				
	5 4 3 4	S13 24	23.5 25.5	-4.0 23.5	OL/ OH	Medium stiff gray with brown ORGANIC SOIL (OL/OH) interbedded with pockets of peat, mps <1 mm, stratified, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-6.0 25.5		BOTTOM OF EXPLORATION 25.5 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M11

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 1, 2010
Finish	June 1, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.1
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 20.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.7		-ASPHALT-										
	16	S1 6	0.4 1.0	0.4	SW-SM	Medium dense gray well-graded SAND with silt and gravel (SW-SM), mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm	5	10	25	25	25	10				
	18 100/5.5"	S2 6	1.0 1.9		SW-SM	S2: Similar to above except very dense Note: Trace cinders, brick, gravel lodged in spoon. PID = 0.0 ppm	5	10	25	30	20	10				
	49 132	S3 4	2.0 3.0		SW-SM	S3: Similar to above -FILL- PID = 0.0 ppm	5	10	25	30	20	10				
	8 10 100/3"	S4 8	3.0 4.3		SW-SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist Note: 2-in. asphalt in tip of spoon, trace brick, wood. PID = 0.0 ppm										
				15.1 4.0		Note: Approximate former ground surface.										
				14.6 4.5		-ASPHALT CAP-										
5	30 40 92 49	S5 14	5.0 7.0			Dense gray-black cinders intermixed with slag, miscellaneous debris PID = 0.0 ppm										
	17 20 22 18	S6 16	7.0 9.0			Similar to above except slight petroleum-like odor PID = 13.9 ppm -FILL-										
	25 16 6 6	S7 4	9.0 11.0	10.1 9.0	CL	Very stiff gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm			5	5	5	85				
10						-HYDRAULIC FILL-										
	8 7 6 5	S8 14	11.0 13.0		CL	Stiff gray lean CLAY with sand (CL), mps <5 mm, no odor, wet, appears reworked PID = 0.0 ppm				5	10	35				
	7 6 4 2	S9 10	13.0 15.0		CL	Stiff gray-green lean CLAY (CL), occasional irregular pockets of fine sand and silt, mps <2 mm, no odor, wet PID = 0.0 ppm					5	95				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/1/10	1345	0.25	20.0	25.0	9.6

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S14

Boring No. M11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M11

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	4 3 3 3	S10 24	15.0 17.0		CL	Similar to above except medium stiff PID = 0.0 ppm					5	95				
	2 1 1 5	S11 24	17.0 19.0		CL	Very soft gray-green lean CLAY with sand (CL), trace cinders, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm					15	85				
20	6 4 5 7	S12 16	19.0 21.0		CL	Similar to above except stiff with trace wood, occasional irregular pockets of black organic soil, no odor, wet PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
	7 4 8 7	S13 16	21.0 23.0		CL	Stiff gray/gray-black sandy lean CLAY (CL), frequent irregular pockets of fine sand and black organic soil, trace wood, mps <5 mm, faint organic odor, wet PID = 0.0 ppm				5	20	75				
	5 4 6 6	S14 2	23.0 25.0	-3.9 23.0	OL/ OH	Stiff brown sandy ORGANIC SOIL (OL/OH), frequent irregular pockets of fine sand and lean clay, mps <5 mm, organic odor, wet PID = 0.0 ppm -HYDRAULIC FILL-					30	70				
25				-5.9 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to ground surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 21.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 2, 2010
Finish	June 2, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.3
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.8		-ASPHALT-										
	45	S1 6	0.5 1.3	0.5	SM	Dense gray-brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, moist -FILL- PID = 0.0 ppm	5	10	10	20	35	20				
	44 55 53 100/3"	S2 16	1.3 3.1		SM	Very dense gray-brown silty SAND with gravel (SM), trace wood, brick, mps 1.0 in., no structure, no odor, dry Note: Asphalt in tip of spoon. PID = 0.0 ppm	5	10	10	15	30	30				
				16.2		Note: Approximate former ground surface.										
				3.1		-ASPHALT CAP-										
	96 95	S3 8	4.0 5.0	15.3 4.0	SM	Very dense dark brown to black silty SAND with gravel (SM), 20% cinders, wood, brick, metal, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	25	30	10	20				
5	100	S4 2	5.0 5.5		SM	Similar to above Note: Advanced borehole to 7.3 ft with roller bit. PID = 0.0 ppm	5	10	25	30	10	20				
				13.8 5.5		-FILL-										
				12.3 7.0		-DEBRIS FILL-										
	29 32 20 11	S5 16	7.3 9.3		SM	Very dense gray-brown to black silty SAND with gravel (SM), trace wood, brick, cinders, metal, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	10	10	25	30	20				
10	10 20 12 9	S6 6	9.3 11.3			Similar to above except dense PID = 0.0 ppm -FILL-	5	10	20	20	25	20				
	8 7	S7 6	11.3 12.3		SM	Similar to above except medium dense										
	6 4	S7A 6	12.3 13.3	7.0 12.3	CL	Stiff gray-green lean CLAY (CL), mps <5 mm, no odor, wet, reworked PID = 0.0 ppm					10	90				
15	2 1 3 3	S8 12	13.3 15.3		CL	Similar to above except trace cinders PID = 0.0 ppm -HYDRAULIC FILL-					10	90				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/2/10	1045	0.25	21.0	25.0	4.3*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.3
Rock Cored (ft)	-
Samples	S13

Boring No. M12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M12

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 3 3 4	S9 12	15.3 17.3		CL	Similar to above PID = 0.0 ppm					5	95				
	1 1 1 2	S10 24	17.3 19.3		CL	Soft gray lean CLAY with sand (CL) intermixed pockets of clay, fine sand, and organic soil, peat, mps 5 mm, reworked PID = 0.0 ppm					15	85				
20	2 3 3 3	S11 24	19.3 21.3		CL	Similar to above except trace cinders PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
	4 4 4 10	S12 20	21.3 23.3		CL	Medium stiff gray with gray-brown sandy lean CLAY (CL), irregular pockets of fine sand, mps 0.25 in., no odor, wet PID = 0.0 ppm					25	75				
25	6 2 4 5	S13 20	23.3 25.3		OL/ OH	Medium stiff brown to gray-brown sandy ORGANIC SOIL (OL/OH), mps 5 mm, organic odor, wet, reworked, disturbed PID = 0.0 ppm					30	70				
				-6.0 25.3		BOTTOM OF EXPLORATION 25.3 FT Note: Borehole grouted to ground surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. M12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 22, 2010
Finish	June 22, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	19.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.0		-ASPHALT-										
	11 9 16 72	S1 12	0.5 2.5	0.5	SM	Medium dense olive silty SAND with gravel (SM), trace brick, mps 1.0 in., bonded, no odor, moist -FILL- PID = 0.0 ppm	5	10	25	20	15	25				
				17.5 2.0	SM	Note: Approximate former ground surface.										
				17.0 2.5		-ASPHALT CAP-										
	81 120/5"	S2 5	2.5 4.5		SP	Very dense gray poorly graded SAND (SP), mps 1-3/8 in., no structure, no odor, moist Note: Drill action indicates gravel/cobbles from 3.4 to 4.5 ft. PID = 0.0 ppm		5	55	30	10					
5	56 64 100/5"	S3 6	4.5 6.5		GP	Very dense brown poorly graded GRAVEL (GP) intermixed with 70% brick, concrete, trace wood, mps 1-3/8 in., no structure, no odor, moist										
						-FILL- Note: Drilled through brick/concrete/cobbles from 5.5 to 8.5 ft.										
	11 8 9 8	S4 7	8.5 10.5	11.0 8.5	CL	Very stiff gray sandy CLAY (CL), mps 0.25 in., no structure, no odor, moist PID = 0.0 ppm			5	5	5	85				
10	7 3 3 5	S5 21	10.5 12.5		CL	Similar to above except medium stiff PID = 0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
	5 4 4 5	S6 24	12.5 14.5		CL	Similar to above PID = 0.0 ppm			5	5	5	85				
15	1 2 2 3	S7 24	14.5 16.5		CL	Similar to above except soft PID = 0.0 ppm			5	5	5	85				
	3 2 3 4	S8 24	16.5 18.5		CL	Similar to above except medium stiff, occasional organic pockets PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/22/10		0.25	15.0	22.5	4.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.5
Rock Cored (ft)	-
Samples	S10

Boring No. M13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M13

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 4 4 5	S9 24	18.5 20.5		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
20	2 3 3 4	S10 24	20.5 22.5		CL	Similar to above PID = 0.0 ppm				5	10	85				
				-3.0 22.5		BOTTOM OF EXPLORATION 22.5 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. M13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 4, 2010
Finish	June 4, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	19.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 9.0 ft; HW Driven to 5.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.2		-ASPHALT-										
	10 12 19	S1 15	0.5 2.0	0.4	SM	Medium dense gray silty SAND (SM), trace brick, cinder, wood, mps 0.5 in., no structure, no odor, moist -FILL- PID = 34.5 ppm		5	10	15	30	40				
				17.6		Note: Approximate former ground surface.										
				2.0		-ASPHALT-										
	100/6"	S2 4	2.5 4.0	17.1 2.5	GP	Very dense gray poorly graded GRAVEL with sand (GP) intermixed with 30% brick, concrete, mps 0.75 in., no structure, no odor, wet PID = 0.0 ppm	10	40	25	20	5					
	120/4"	S3 4	4.0 6.0		GP	Similar to above PID = 0.0 ppm	10	40	25	20	5					
5						-FILL-										
	100/2"	S4 3	6.0 6.3	13.3 6.3	GP	Similar to above PID = 0.0 ppm	10	40	25	20	5					
						-GRAVEL/CONCRETE-										
	20 8 6 5	S5 5	9.0 11.0	10.6 9.0	OL/OH	Stiff black ORGANIC SILT with sand (OL/OH), mps 0.5 in., no structure, organic odor, wet PID = 0.0 ppm			5	5	10	80				
10	1 2 3 3	S6 20	11.0 13.0		OL/OH	Similar to above except medium stiff PID = 0.0 ppm			5	5	20	80				
						-HYDRAULIC FILL-										
	1 2 2 3	S7 24	13.0 15.0		CL	Soft gray CLAY with sand (CL), occasional sand parting, mps 0.25 in., no odor, moist PID = 0.0 ppm				5	10	85				
15	2 3 3 4	S8 7	15.0 17.0		OL/OH	Medium stiff black ORGANIC SILT with sand (OL/OH), trace shells, mps 0.5 in., no structure, organic odor, wet PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.0
Rock Cored (ft)	-
Samples	S11

Boring No. M14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 3 5 7	S9 21	17.0 19.0		OL/ OH	Similar to above PID = 0.0 ppm				5	10	85				
20	4 3 5 5	S10 24	19.0 21.0		OL/ OH	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
	2 3 2 3	S11 7	21.0 23.0		OL/ OH	Similar to above PID = 0.0 ppm				5	10	85				
				-3.4 23.0		BOTTOM OF EXPLORATION 23.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M15(OW)

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 12, 2010
Finish	July 12, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.5
Datum	BCB
Location	

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 20.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.0		-ASPHALT-										
				0.5	SM	Very dense gray-brown silty SAND with gravel (SM), mps 2.0 in., no structure, no odor, moist, trace brick, concrete. Bottom 4.0 in. of recovery asphalt. PID = 0.0/0.0 ppm	5	10	10	15	35	25				
	*11 26 82 100/4"	S1 20	1.0 2.8			Note: Approximate former ground surface.										
				17.0 2.5		-ASPHALT EM-1 CAP-										
				16.5 3.0		-RUBBLE FILL-										
5	*35	S2 5	5.0 5.5	14.5 5.0	SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.5 in., no structure, no odor, moist, trace brick, plastic, cinders PID = 0.0/0.0 ppm	5	10	25	25	25	10				
	21 16 10 8	S3 8	5.5 7.5		SW-SM	Similar to above except medium dense, mps 0.5 in. PID = 0.0/0.0 ppm	5	10	25	25	25	10				
						-FILL-										
	22 21 12 4	S4 10	7.5 9.5		SM	Dense dark gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 25% cinders, ash, brick PID = 0.0/0.0 ppm	5	10	10	15	30	30				
10	3 1 1 2	S5 16	9.5 11.5	10.0 9.5	CL	Very soft gray with brown sandy lean CLAY (CL), mps 0.5 in., no structure, no odor, wet, reworked, trace wood, cinders, trace organic soil PID = 0.0/0.0 ppm		5	5	10	15	65				
						-HYDRAULIC FILL-										
	1/12" 1 1	S6 20	11.5 13.5		CL	Similar to above PID = 0.0/0.0 ppm		5	5	10	15	65				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/12/2010	1300	1.0	19	25.5	7.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.5
Rock Cored (ft)	-
Samples	S12

Boring No. M15(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. M15(OW)

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/24"	S7 12	13.5 15.5			CL	Very soft gray lean CLAY with sand (CL), mps 0.5 in., reworked, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5	10	10	75				
15																	
	WOH/12" 1 2	S8 24	15.5 17.5			CL	Similar to above, trace shells PID = 0.0/0.0 ppm					15	85				
	WOH/12' 1 1	S9 24	17.5 19.5			CL	Similar to above PID = 0.0/0.0 ppm					15	85				
20	WOH/18" 1	S10 24	19.5 21.5			CL	Similar to above intermixed with organic soil PID = 0.0/0.0 ppm					15	85				
	WOH/12" 1 2	S11 12	21.5 23.5			CL	Similar to above PID = 0.0/0.0 ppm					15	85				
	WOH/12" 2 2	S12 24	23.5 25.5		-4.0 23.5	OL/ OH	Very soft brown ORGANIC SOIL (OL-OH), mps <1 mm, no structure, organic odor, wet, trace shells PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
25					-6.0 25.5		BOTTOM OF EXPLORATION 25.5 FT										

Note: Observation well installed upon completion.

*Indicates 3-in. spoon and 300-lb hammer used.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. M15(OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 7, 2010
Finish	July 8, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.0		-BITUMINOUS ASPHALT-										
				0.6		S1 top 4.0 in.: Dense gray crushed concrete										
	15 14	S1 10	0.6 1.6	18.6 1.0	ML	S1 bottom 6.0 in.: Dense olive-gray sandy SILT with gravel (ML), mps 1.0 in., no structure, no odor, moist, with crushed brick and glass PID = 0.0/0.0 ppm	5	10		10	15	60				
	43 47 30 20	S2 14	1.6 3.6	18.0 1.6 17.6 2.0	SP	-FILL-		25	30	30	10	5				
					SM	Note: Approximate former ground surface. -ASPHALT CAP-		10	10	25	35	20				
	9 8 13 33	S3 9	3.6 5.6			S2 middle 3.0 in.: Dense gray poorly graded SAND with gravel (SP), mps 0.5 in., no structure, no odor, moist, with crushed brick PID = 0.0/0.0 ppm S2 bottom 7.0 in.: Dense brown silty SAND (SM), mps 0.75 in., no structure, no odor, moist, with glass, wood fragments, crushed brick and slag PID = 0.0/0.0 ppm S3: Wood fragments in a sandy silt matrix, with glass and ceramic										
5	7 4 5 3	S4 12	5.6 7.6		SP	S4: Loose dark brown poorly graded SAND (SP), mps 0.5 in., no structure, no odor, moist, with wood fragments, glass, ceramic and glass PID = 0.0/0.0 ppm -FILL-		10	30	40	15	5				
	4 2 4 3	S5 8	7.6 9.6	10.7 8.9	ML	Loose dark gray SILT (ML) interbedded with medium stiff olive-gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet, little organics, with shell fragment and glass PID = 0.0/0.0 ppm	5	5		5	5	80				
10	1 1 1	S6 17	9.6 11.6		ML	Similar to above except mps 1.0 in., with fine sand pockets PID = 0.0/0.0 ppm -HYDRAULIC FILL-	5	5		5	5	80				
	WOH/12" 1	S7 19	11.6 13.6		CL-ML	Very soft gray to gray-black lean CLAY (CL) interbedded with SILT (ML), mps 1.0 in., no structure , slight organic odor, wet, with wood fragments and shell fragments PID = 0.0/0.0 ppm	5	5			5	85				
15	1 1 1 1	S8 21	13.6 15.6		CL-ML	S8 top 11.0 in.: Similar to above except mps 0.5 in.		5			10	85				
					CL	S8 bottom 10.0 in. Soft brown lean CLAY (CL) interbedded with gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet, with frequent silt partings and fine sand partings PID = 0.0/0.0 ppm				5	5	90				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.6
Rock Cored (ft)	-
Samples	S13

Boring No. M16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/18" 1	S9 21	15.6 17.6		CL	Very soft olive-gray lean CLAY with gravel (CL), mps 0.5 in., no structure, no odor, wet, frequent pockets of medium to fine sand, with shell fragments, occasional pockets of brown clay PID = 0.0/0.0 ppm		15		5	10	70				
	1 1 1 1	S10 24	17.6 19.6		OL/ OH-ML	Soft black ORGANIC SILT (OL/OH) interbedded with gray SILT (ML), mps 0.25 in., no structure, no odor, moist, with shell fragment, frequent pockets of sand PID = 0.0/0.0 ppm		5		5	5	85				
20	1 1 1	S11 23	19.6 21.6		OL/ OH-ML	Similar to above except mps <1 mm, with wood fragments PID = 0.0/0.0 ppm				5	5	90				
	2 2 2 2	S12 8	21.6 23.6		ML	Very loose gray SILT with sand (ML), mps 0.5 in., no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5	5	10	10	70				
				-4.0 23.6												
25	1 1 1 1	S13 23	23.6 25.6		OL/ OH	Soft olive-brown ORGANIC SOIL (OL/OH) interbedded with brown fibrous PEAT (PT) PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 25.6		BOTTOM OF EXPLORATION 25.6 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. M16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 14.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 20, 2010
Finish	July 21, 2010
Driller	J. Galvin
H&A Rep.	B. Babcock
Elevation	19.4
Datum	BCB
Location	

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.0		-ASPHALT-										
	5* 20	S1 10	0.4 1.4	0.4	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm	5	10	10	15	35	25				
	26 100/3"	S2 3	1.4 2.2		SM	-FILL- Similar to above. Asphalt in tip of spoon. Note: Approximate former ground surface.										
				17.2 2.2		-ASPHALT EM-1 CAP-										
				16.8 2.6		-RUBBLE FILL-										
				16.4 3.0												
	4* 5 6 4	S3 12	3.4 5.4		SM	Medium dense dark brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick, cinder, ash PID = 0.0/0.0 ppm -FILL-	5	10	10	15	25	35				
5	17 18 13 20	S4 12	5.4 7.4		SM	Similar to above except dense PID = 0.0/0.0 ppm	5	10	10	15	25	35				
	8* 5 6 3	S5 20	7.4 9.4		ML	Medium dense gray to brown sandy SILT with gravel (ML), mps 0.5 in., no structure, no odor, moist to wet, trace ash, cinder, metal, wood, brick PID = 0.0/0.0 ppm	5	10	5	5	20	55				
				10.0												
10	3* 1 2 1	S6 12	9.4 11.4	9.4	OL/ OH	Medium stiff brown ORGANIC SOIL with sand (OL-OH), mps 0.25 in., reworked, no odor, wet, trace cinder, brick PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5	10	10	75				
	3 1 3 3	S7 20	11.4 13.4		OL/ OH	Similar to above except soft PID = 0.0/0.0 ppm				10	10	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/21/2010	1200	0.5	14.0	23.4	4.2*
		*Not stabilized			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.4
Rock Cored (ft)	-
Samples	S12

Boring No. M17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M17

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2* 1 1 1	S8 20	13.4 15.4		OL/ OH	Similar to above intermixed with lean clay PID = 0.0/0.0 ppm				10	10	80				
15																
	1 2 3 3	S9 20	15.4 17.4		OL/ OH	Similar to above except medium stiff PID = 0.0/0.0 ppm -HYDRAULIC FILL-				10	15	75				
	1* 3 3 3	S10 20	17.4 19.4		OL/ OH	Similar to above except stiff, trace cinders PID = 0.0/0.0 ppm			5	10	10	75				
20	1* 1 1 2	S11	19.4 21.4		OL/ OH	Soft gray sandy lean CLAY (CL), mps 0.25 in., reworked, no odor, wet, trace wood PID = 0.0/0.0 ppm			5	10	15	70				
	4 3 3 4	S12 6	21.4 23.4		OL/ OH	Medium stiff brown ORGANIC SOIL (OL-OH), mps <5 mm, no structure, faint organic odor, wet PID = 0.0/0.0 ppm					10	90				
				-4.0 23.4		BOTTOM OF EXPLORATION 23.4 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. M17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 17, 2010
Finish	June 18, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 9.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	13 39	S1 9	0.0 1.0	18.9 0.3		-BITUMINOUS ASPHALT-										
				18.5 0.7		-CRUSHED CONCRETE-										
					CL	S1 bottom 6.0 in.: Dense olive-gray sandy lean CLAY (CL), crushed brick, mps 2. 0 in., no structure, no odor, wet	5	5	10	10	20	50				
	12 23 38 68	S2 15	1.3 3.3		CL	S2 top 12.0 in.: Similar to above										
					SP	S2 bottom 3.0 in.: Dense poorly graded SAND with gravel (SP), crushed red brick, mps 1.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10		35	35	5				
						-FILL-										
				15.9 3.3		Note: Approximate former ground surface.										
	100/2"	S3 2	3.3 5.0			Note: Hit obstruction. Ground through obstruction to 5.0 ft.										
						-FILL-										
5	2 2 1 1	S4 7	5.0 7.0		SC	Loose dark brown clayey SAND (SC), crushed brick and slag, trace asphalt, glass, mps 0.5 in., no structure, no odor, moist		10	10	15	40	25				
	2 1 1 6	S5 9	7.0 9.0		SC	Similar to above		10	10	15	40	25				
	2 2 2 2	S6 9	9.0 11.0	9.9 9.3	SC	S6 top 3.0 in.: Loose dark brown clayey SAND (SC), mps 0.25 in., no structure, no odor, moist PID = 0.0/0.0 ppm		5	10	20	50	25				
10					OL	S6 bottom 6.0 in.: Soft black ORGANIC SILT (OH), frequent sand seams, 10% clay, mps 0.25 in., no structure, no odor, wet										
	1 1 1 1	S7 22	11.0 13.0		OH/ OL	S7 top 15.0 in.: Soft black ORGANIC SILT (OH) interbedded with ORGANIC CLAY (OL), frequent pockets of fine sand and sand seams, mps <1 mm, no structure, organic odor, wet					10	90				
					CL	PID = 0.0/0.2 ppm S7 bottom 7.0 in.: Soft olive-gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet					5	95				
	1 1 1 1	S8 24	13.0 15.0		CL	S8 top 5.0 in.: Soft olive-gray lean CLAY (CL), frequent sand seams, mps <1 mm, no structure, organic odor, wet PID = 0.0/0.5 ppm				5	5	90				
15					OL/ OH	S8 bottom 19.0 in.: Soft black ORGANIC CLAY (OL) interbedded with ORGANIC SILT (OH), frequent sand seams, shell fragments, pockets of brown silt, mps 0.25 in., no structure, organic odor, wet		5		5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.3
Rock Cored (ft)	-
Samples	S12

Boring No. M18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M18

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 1	S9 21	15.0 17.0		CL	S9 top 6.0 in.: Soft olive-gray lean CLAY (CL), frequent sand seams, mps <1 mm, no structure, organic odor, wet PID = 0.0/0.0 ppm				5	5	90				
					OL	S9 bottom 15.0 in.: Black ORGANIC CLAY (OL), frequent organic silt seam and sand seams, shell fragments, mps <1 mm, no structure, distinct organic odor, wet				5	5	90				
	WOH/24"	S10 22	17.0 19.0		OL	S10 top 6.0 in.: Similar to above										
					ML	S10 bottom 16.0 in.: Very soft gray sandy SILT (ML), 10% clay, frequent sand seams, mps <1 mm, no structure, no odor, wet				5	5	90				
	2 4 5 6	S11 7	19.0 21.0		CL	S11: Medium stiff gray lean CLAY (CL), 35% silt, frequent sand seams, mps <1` mm, no structure, no odor, wet										
20						-HYDRAULIC FILL-										
	1 2 2 2	S12 19	21.0 23.0		CL	S12 top 13.0 in.: Similar to above										
				-3.6 22.8	OL	S12 bottom 6.0 in., Olive-brown ORGANIC CLAY (OL)										
				-4.1 23.3		-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 23.3 FT										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. M18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N11

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 1, 2010
Finish	June 1, 2010
Driller	R. Eastwood
H&A Rep.	D. Warren
Elevation	18.8
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.5		-ASPHALT-										
	9 9/3"	S1 8	0.3 1.0	0.3	ML	Medium dense gray crushed CONCRETE, mps 0.25 in., no structure, no odor, moist PID = 0.0/0.0 ppm		15	5	10	20	50				
	12 12 12 8	S2 15	1.0 3.0			S2: Medium dense gray sandy SILT with gravel (ML), mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm -FILL-										
	* *	S3 12	3.0 4.0		ML/ CL	Mottled gray-brown sandy SILT with gravel (ML) intermixed with sandy lean CLAY with gravel (CL), 15% intermixed brick, wood and concrete fragments, mps 1.5 in., no structure, no odor, moist PID = 0.0/0.8 ppm	5	10	5	10	20	50				
	65 27	S4 3	4.0 5.0	14.8 4.0 14.3 4.5		Note: Approximate former ground surface. -ASPHALT CAP-										
5	6 10 10 12	S5 6	5.0 7.0			Medium dense dark brown-black intermixed cinders and slag, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm										
	10 11 8 14	S6 6	7.0 9.0			Similar to above PID = 0.0/0.0 ppm -FILL-										
10	6 16 11 3	S7 4	9.0 11.0			Similar to above except with 20% glass fragments, trace orange brick fragments, wood fragments PID = 0.0/0.0 ppm										
	5 5 5 3	S8 9	11.0 13.0	7.8 11.0	CL	Medium stiff gray lean CLAY (CL), mps <1 mm, no structure, no odor, moist PID = 0.0/0.0 ppm						100				
	1/24"	S9 24	13.0 15.0		CL- ML	Very soft gray lean CLAY (CL) intermixed with frequent partings and seams of gray sandy SILT (ML), mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-					10	90				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/1/10					Not Observed

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S14

Boring No. N11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N11

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	WOR/12" 1/12"	S10 24	15.0 17.0		CL-ML/OL/OH	Similar to above except with pockets of dark gray sandy ORGANIC SOIL (OL/OH) PID = 0.0/0.0 ppm					10	90				
	4 2 1/12"	S11 18	17.0 19.0		OL/OH	Very soft mottled dark brown to gray sandy ORGANIC SOIL (OL/OH), trace coal fragments, mps <1 mm, no structure, no odor, moist PID = 0.0/0.0 ppm					15	85				
	WOR/12" 1/12"	S12 24	19.0 21.0		OL/OH	Similar to above except with moderate petroleum-like odor and staining PID = 0.0/2.0 ppm					10	90				
20						-HYDRAULIC FILL-										
	4 4 4 4	S13 18	21.0 23.0		SM	Loose mottled gray-black silty SAND (SM), mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm					55	45				
	3 2 2 2	S14 6	23.0 25.0			Similar to S12 except with no petroleum-like odor PID = 0.0/0.0 ppm					10	90				
25				-6.2 25.0		BOTTOM OF EXPLORATION 25.0 FT										

Note: Borehole grouted to ground surface upon completion.

*Indicates casing grab sample.

WOR = Weight of Rod

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 4, 2010
Finish	June 4, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	18.9
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 21.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.5		-ASPHALT-										
	13	S1 6	0.4 0.9	0.4	SM	Medium dense gray-brown silty SAND with gravel (SM), trace brick, mps 1.0 in., no structure, no odor, moist	5	10	10	15	40	20				
	35 34 45	S2 29	0.9 2.9		SM	PID = 0.0 ppm S2: Similar to above except very dense PID = 0.0 ppm	5	10	15	15	25	30				
						-FILL-										
	100/4"	S3 4	2.9 3.3	15.6 3.3	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.25 in., no structure, no odor, moist Note: 1-in. asphalt in tip of spoon. PID = 0.0 ppm	5	10	25	20	20	20				
	100/2"	S4 2	4.0 4.2	14.4 4.5		Note: Approximate former ground surface. -ASPHALT CAP- S4: Note: 2-in. asphalt in tip of spoon. Washed ahead to 4.9.										
5	42 50 86 38	S5 6	4.9 6.9			S5: Very dense dark gray silty SAND (SM), trace brick, cinders, metal, mps 0.5, no structure, petroleum-like odor, wet with slight sheen PID = 8.5 ppm	5	5	10	15	35	30				
	16 11 6 6	S6 4	6.9 8.9		SM	Similar to above except medium dense Note: Sheen in wash from 4.9 to 10.9 ft. PID = 3.8 ppm	5	5	15	15	30	30				
						-FILL-										
	7 3 5 8	S7 10	8.9 10.9	10.0 8.9	CL	Medium stiff gray lean CLAY with sand (CL), trace cinders, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm		5	5	5	10	75				
10						-HYDRAULIC FILL-										
	1 1 1 1	S8 14	10.9 12.9		CL	Very soft gray lean CLAY with sand (CL), trace cinders, mps 5 mm, no structure, no odor, reworked PID = 0.0 ppm			5	5	10	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/5/10	1033	0.25	21.0	25.0	7.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.9
Rock Cored (ft)	-
Samples	S14

Boring No. N12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N12

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 2	S9 20	12.9 14.9		CL	Soft gray lean CLAY with sand (CL), trace wood, mps <5 mm, no odor, wet, reworked PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
15	3 2 3 3	S10 20	14.9 16.9		CL	Soft gray with gray-brown lean CLAY with sand (CL), trace wood, organic fibers, mps 0.25 in., faint organic odor, wet, reworked PID = 0.0 ppm					15	85				
	2 3 3 3	S11 10	16.9 18.9		CL	Medium stiff gray with dark gray lean CLAY (CL), mps <5 mm, no odor, wet, reworked PID = 0.0 ppm					10	90				
	2 3 4 3	S12 24	18.9 20.9		OL/ OH	Medium stiff brown to gray-brown sandy ORGANIC SOIL (OL/OH) intermixed with lean clay and fine sand, mps 0.25 in., faint organic odor, wet, reworked PID = 0.0 ppm			5	5	20	70				
20	2 5 7 6	S13 12	20.9 22.9		CL	Stiff gray lean CLAY (CL) intermixed with brown organic soil, mps 0.25 in,. no odor, wet, reworked PID = 0.0 ppm					10	90				
	6 4 5 5	S14 14	22.9 24.9	-4.0 22.9	OL/ OH	Stiff brown ORGANIC SOIL (OL/OH), occasional partings of brown PEAT, mps <2 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 24.9		BOTTOM OF EXPLORATION 24.9 FT Note: Borehole grouted to ground surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 22, 2010
Finish	June 22, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.5		-BITUMINOUS ASPHALT-										
				0.5		-DENSE CRUSHED CONCRETE-										
	33 30	S1 14	0.5 2.0	18.0 1.0	ML	S1 bottom 10.0 in.: Dense olive-gray sandy SILT with gravel (ML), 10% clay, crushed brick and wood fragments, mps 1.5 in., no structure, no odor PID = 0.0/0.0 ppm	5	10	5	5	25	50				
	29 48 73 100/3"	S2 14	2.0 4.0	16.7 2.3	ML	S2 top 3.0 in.: Similar to above -FILL- Note: Approximate former ground surface.										
				16.3 2.7		-ASPHALT CAP-										
					SP	S2 bottom 6.0 in.: Very dense poorly graded SAND (SP), 50% crushed red brick, mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm		5	15	40	40	5				
	12 9 9 14	S3 15	4.0 6.0		SM	S3: Medium dense dark brown to black silty SAND (SM), traces wood fragments, glass and wire strands, coal and ceramic, and crushed brick, mps 0.5 in., no structure, slight petroleum-like odor, wet PID = 0.0/0.0 ppm		5	10	25	40	20				
5						-FILL-										
	8 4 6 7	S4 18	6.0 8.0		SM	S4 top: Similar to above		5	10	15	40	30				
					SM/ ML	S4 bottom 10.0 in.: Medium dense gray to black silty SAND (SM) interbedded with gray-green SILT (ML), trace crushed brick and frequent lenses of brown silt, mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm					10	90				
	2 2 2 2	S5 0	8.0 10.0	11.0 8.0	CL	Note: No recovery. Overdrove 2-in. spoon; soft olive-gray sandy lean CLAY (CL), trace metal (wire), mps <2 mm, no structure, no odor, wet				10	25	65				
						-HYDRAULIC FILL-										
10	1 1 1 1	S6 18	10.0 12.0		CL	Soft olive-gray lean CLAY (CL) intermixed with pockets of organic soil, frequent pockets of olive-brown silt and occasional sand partings, few strands of wire (metal), mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm				5	5	90				
	1 1 1 1	S7 24	12.0 14.0		CL	Similar to above except occasional pockets of peat, mps 0.5 in. PID = 0.0/0.0 ppm				5	5	90				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. N13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N13

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/24"	S8 23	14.0 16.0		OL/ OH	Very soft gray ORGANIC CLAY (OL) intermixed with black ORGANIC SILT (OH), pockets of gray lean clay, frequent sand seams, mps 0.25 in., no structure, slight organic odor, wet PID = 0.0/0.0 ppm				5	5	90				
15																
	WOH/18"	S9 23	16.0 18.0		OL/ OH	S9 top 12.0 in.: Similar to above					5	95				
	1				CL	S9 bottom 11.0 in.: Medium stiff olive-gray lean CLAY (CL), 40% silt, trace organics, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm					5	95				
	1 1 1 1	S10 22	18.0 20.0		CL	S10 top 7.0 in.: Similar to above					5	95				
					CL	S10 bottom 15.0 in.: Soft olive-gray lean CLAY (CL), occasional pockets of brown silt, trace peat, mps 0.25 in., no structure, no odor, wet		5			5	90				
20	2 3 3 2	S11 9	20.0 22.0		CL	Soft olive-gray sandy lean CLAY (CL), trace organics, trace peat, shell fragments, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm				10	20	70				
						-HYDRAULIC FILL-										
	1 2 1 2	S12 24	22.0 24.0		CL/ ML	Very soft olive-gray sandy lean CLAY (CL) intermixed with sandy SILT (ML), pockets of brown fibrous peat, shell fragments, mps <1 mm, no structure, no odor, very wet PID = 0.0/0.0 ppm				10	20	70				
				-5.0 24.0		BOTTOM OF EXPLORATION 24.0 FT										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 22, 2010
Finish	June 22, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.4		-ASPHALT-										
				0.6		-FILL-										
	32* 100/2"	S1 6	1.0 1.6	17.4 1.6	SM	Very dense green-gray silty SAND with gravel (SM), trace brick, mps 2.0 in., no structure, no odor, moist Note: 3.0 in. asphalt in tip of spoon. PID = 0.0 ppm	10	10	20	20	20	20				
				16.5 2.5		Note: Approximate former ground surface.										
						-ASPHALT CAP-										
						-RUBBLE FILL-										
	100/4"	NR 0	4.0 4.3	14.5 4.5		Note: No recovery. Few pieces of brick in tip of spoon.										
5	83 26 14 9	S2 10	5.0 7.0		SM	Dense black with brown silty SAND with gravel (SM), 10% ash, cinder, brick, rubber, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	10	15	35	25				
						-FILL-										
	19 10 9 9	S3 4	7.0 9.0		SM	Similar to above except medium dense PID = 0.0 ppm	5	10	10	15	35	25				
	6 2 3 3	S4 4	9.0 11.0	10.0 9.0	CL	Medium stiff gray with black lean CLAY (CL), mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm				5	5	90				
10	5 5 6 3	S5 12	11.0 13.0		CL	Similar to above PID = 0.0 ppm			5	5	90					
						-HYDRAULIC FILL-										
	2 2 3 4	S6 6	13.0 15.0		CL	Similar to above except trace gravel PID = 0.0 ppm		5			5	90				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/22/10	1400	0.5	14.0	23.0	2.1*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.0
Rock Cored (ft)	-
Samples	S10

Boring No. N14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	2 2 3 2	S7 24	15.0 17.0		CL	Medium stiff gray with black lean CLAY with sand (CL), trace cinders, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	10	10	75				
	3 3 3 3	S8 24	17.0 19.0		CL	Similar to above except intermixed with organic soil PID = 0.0 ppm -HYDRAULIC FILL-					20	80				
20	5 4 3 3	S9 24	19.0 21.0	-2.0 21.0	OL/ OH	Medium stiff brown ORGANIC SOIL with sand (OL/OH), trace shells, peat, clay, mps <5 mm, faint organic odor, wet, reworked PID = 0.0 ppm					15	85				
	1 2 1 3	S10 24	21.0 23.0	-4.0 23.0	OL/ OH	Soft brown ORGANIC SOIL (OL/OH), trace shells, frequent peat partings, mps <1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
						BOTTOM OF EXPLORATION 23.0 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 21, 2010
Finish	June 22, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.2
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.7		-ASPHALT-										
				0.5		-FILL-	5	10	10	25	40	10				
	90* 33 52 54	S1 18	1.2 3.2		SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), trace brick bottom 6.0 in., mps 2.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	10	25	40	10				
				16.5		Note: Approximate former ground surface.										
				2.7		-ASPHALT CAP-										
				15.8												
				3.4		-RUBBLE FILL-										
				15.2												
	14 19	S2 6	4.2 5.2	4.0	SM	Dense brown to black silty SAND with gravel (SM), 25% wood, mps 1.0 in., no structure, creosote odor, wet PID = 4.2 ppm	5	10	10	15	30	30				
5	29 18 28 15	S3 14	5.2 7.2		ML	Dense brown with gray sandy SILT with gravel (ML) intermixed with pockets of gravel and lean clay, mps 0.5 in., strong petroleum-like odor, moist PID = 23.4 ppm	5	10	5	5	10	65				
				12.0		-FILL-										
	42 5 6 7	S4 10	7.2 9.2	7.2	CL	Stiff olive-gray lean CLAY with sand (CL), trace cinder, brick, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	5	15	75				
10	39 4 3 3	S5 10	9.2 11.2		CL	Similar to above except medium stiff PID = 0.0 ppm			5	5	15	75				
						-HYDRAULIC FILL-										
	3 3 3 3	S6 12	11.2 13.2		CL	Similar to above except trace metal PID = 0.0 ppm			5	5	15	75				
	1 2 4 1	S7 12	13.2 15.2		CL	Similar to above except trace cinders, slag PID = 0.0 ppm		5	5	5	10	75				
15	4 2 3 3	S8 12	15.2 17.2		CL	Similar to above except trace wood, 25% organic soil PID = 0.0 ppm			5	10	10	75				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/21/10	1455	0.75	14.0	15.2	10.62
6/22/10	0845		19.0	25.2	4.3*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.2
Rock Cored (ft)	-
Samples	S12

Boring No. N15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	6 5 5 4	S9 20	17.2 19.2		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
20	1 2 3 2	S10 24	19.2 21.2		CL	Medium stiff gray lean CLAY (CL), mps <2 mm, no odor, wet, reworked PID = 0.0 ppm					5	95				
	3 4 5 5	S11 24	21.2 23.2	-2.0 21.2	OL/ OH	Stiff brown ORGANIC SOIL (OL/OH), frequent partings of peat, mps <1 mm, strong organic odor, wet PID = 0.0 ppm						100				
	8 5 6 2	S12 12	23.2 25.2		OL/ OH	Similar to above except 25% peat PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-6.0 25.2		BOTTOM OF EXPLORATION 25.2 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 18, 2021
Finish	June 21, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.3
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.8		-ASPHALT-										
				0.5		-CONCRETE-										
				18.3 1.0		-FILL-										
	18* 50/3"	S1 6	1.3 2.1		SM	Very dense olive-brown silty SAND with gravel (SM), trace brick, asphalt, mps 1.0 in., no structure, no odor, dry Note: Asphalt in tip of spoon. PID = 0.0 ppm	5	10	10	15	40	20				
				17.2 2.1		Note: Approximate former ground surface.										
				16.3 3.0		-ASPHALT CAP-										
						-RUBBLE FILL-										
	100/1"	NR 0	4.0 4.0			Note: No recovery. Few pieces coarse gravel and brick in spoon, wood in wash from 4.0 to 4.9 ft.										
5				14.4 4.9												
	19* 8 3 3	S2 10	5.3 7.3		CL	Very stiff dark gray with brown sandy lean CLAY (CL), trace metal, cinder, brick, mps 0.5 in., no structure, no odor, wet PID = 0.0 ppm	5	5	5	10	15	60				
	20 10 12 8	S3 14	7.3 9.3		CL	Similar to above except with trace slag PID = 0.0 ppm	5	5	5	10	15	60				
						-HYDRAULIC FILL-										
10	6 6 5 4	S4 10	9.3 11.3		CL	Similar to above except stiff PID = 0.0 ppm	5	5	10	10	15	55				
	3 2 2 3	S5 12	11.3 13.3		CL	Similar to above except soft PID = 0.0 ppm	5	5	10	10	15	55				
	4 4 5 2	S6 10	13.3 15.3		CL	Similar to above except stiff, trace organic soil PID = 0.0 ppm		10	10	15	10	55				
15	3 3 4 2	S7 10	15.3 17.3		CL	Similar to above except medium stiff PID = 0.0 ppm		5	5	5	15	70				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/21/10	0745	50	4.0	4.0	NE
6/21/10	0954		19.0	25.3	6.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.3
Rock Cored (ft)	-
Samples	S11

Boring No. N16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N16

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 2 4 4	S8 12	17.3 19.3		CL	Medium stiff gray lean CLAY with sand (CL), mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm -HYDRAULIC FILL-			5	10	10	75				
20	4 4 4 2	S9	19.3 21.3		OL/ OH	Medium stiff brown with gray ORGANIC SOIL with sand (OL/OH), trace plant fibers, mps 5 mm, faint organic odor, wet, reworked PID = 0.0 ppm			5	10	10	75				
	WOR 1 1 3	S10 24	21.3 23.3		CL	Very soft gray with black and brown lean CLAY (CL) intermixed with organic soil and fine sand, mps <5 mm, no odor, wet, reworked WOR = Weight of Rod PID = 0.0 ppm					10	90				
	2 2 3 3	S11 24	23.3 25.3	-4.0 23.3	PT	Medium stiff brown with gray PEAT (PT) interbedded with gray organic soil, mps <1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-6.0 25.3		BOTTOM OF EXPLORATION 25.3 FT Note: Borehole grouted to surface upon completion. *Indicates 3-in. spoon and 300-lb hammer used.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	July 8, 2010
Finish	July 8, 2010
Driller	J. Galvin
H&A Rep.	O. Lawler
Elevation	19.1
Datum	BCB
Location	

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.6		-ASPHALT-										
	24 53 31	S1 8	0.5 1.1	0.5 18.2	ML	Very dense olive sandy SILT (ML), mps 1.0 in., bonded, no odor, moist PID = 0.0/0.0 ppm		5	10	10	20	55				
	67 11 12 9	S2 14	1.1 3.1	0.9 18.0 1.1	SP	-FILL- -ASPHALT EM-1 CAP- Medium dense gray poorly graded SAND (SP), mps 1.0 in., occasional silt pockets, trace concrete, wood, no structure, no odor, moist PID = 0.0/0.0 ppm			45	30	25					
	10 11 11 13	S3 17	3.1 5.1		SP-SM	Medium dense gray poorly graded SAND with silt (SP-SM), mps 0.5 in., no structure, no odor, moist PID = 0.0/4.3 ppm -FILL-			40	35	15	10				
5	9 8 7 10	S4 24	5.1 7.1		SP-SM	Similar to above except trace wood PID = 0.0/2.6 ppm			40	35	15	10				
				13.0 6.1	CL	Very stiff gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, moist PID = 0.0/0.0 ppm				5	10	85				
	3 3 4 2	S5 24	7.1 9.1		CL	Similar to above except medium stiff PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5	10	85				
				10.0 9.1												
	2 3 3 2	S6 24	9.1 11.1		OL/OH	Medium stiff gray ORGANIC SILT with sand (OL/OH), mps 5 mm, frequent sandy clay pockets, no structure, no odor, moist PID = 0.0/0.0 ppm				5	10	85				
10	2 2 3 2	S7 24	11.1 13.1		OL/OH	Similar to above PID = 0.0/0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/8/2010		0.25	15.0	21.1	4.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.7
Rock Cored (ft)	-
Samples	S11

Boring No. N17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†**Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N17

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 3 5	S8 21	13.1 15.1		OL/ OH	Similar to above PID = 0.0/0.0 ppm			5	5	5	85				
15	2 3 7 3	S9 23	15.1 17.1		OL/ OH	Similar to above except soft PID = 0.0/0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
	WOR 2 2 2	S10 24	17.1 19.1		OL/ OH	Similar to above except soft PID = 0.0/0.0 ppm				10	5	85				
20	8 4 3 5	S11 24	19.1 21.1		OL/ OH	Similar to above except medium stiff PID = 0.0/0.0 ppm				10	5	85				
				-2.0 21.1		BOTTOM OF EXPLORATION 21.1 FT										

Note: Borehole grouted to surface upon completion.

WOR = Weight of Rod

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N17

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 17, 2010
Finish	June 17, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	19.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.5		-BITUMINOUS ASPHALT-										
	28	S1	0.5	0.5		-CRUSHED CONCRETE-										
	10 9 50 85	S2 13	1.0 1.0 3.0	18.1 0.9	SM	S1 bottom 1.0 in.: Dense olive-brown silty SAND (SM), 5% clay, crushed red brick, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	5	5	20	40	25				
					SM	S2: Similar to above PID = 0.0/0.0 ppm	5	5	5	20	40	25				
	8 12 9 8	S3 9	3.0 5.0		SP	S3: Medium dense dark brown to black poorly graded SAND (SP), 15% cinders and ash, crushed brick, glass, trace slag, mps 0.75 in., no structure, no odor, moist		10	15	35	35	5				
				14.2		-FILL-										
5	6 5 4 4	S4 8	5.0 7.0	4.8	CL	S3 bottom 2.0 in.: Medium stiff olive lean CLAY (CL), 30% silt, mps 3 mm, no structure, no odor, wet PID = 0.0/0.0 ppm			5	5	5	85				
					CL	S4: Medium stiff olive-gray lean CLAY with sand (CL), 50% silt, occasional pockets of fluorescent green silt, mps 0.75 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5		5	10	80				
	2 3 2 2	S5 13	7.0 9.0		ML	S5: Medium stiff olive-gray SILT (ML), 25% clay, occasional fine sand partings, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5			5	90				
10	2 1 2 2	S6 9	9.0 11.0		CL	Soft olive-gray lean CLAY with organics (CL), 40% silt, occasional sand partings, shell fragments, trace peat, mps 0.25 in., no structure, organic odor, wet PID = 0.0/0.2 ppm		5			5	90				
	2 1 2 2	S7 12	11.0 13.0		CL	Similar to above PID = 0.0/0.3 ppm										
						-HYDRAULIC FILL-										
	WOH/24"	S8 24	13.0 15.0		CL	Very soft olive-gray lean CLAY with organics (CL), frequent pockets of fine sand, shell fragments, trace peat, mps 0.25 in., no structure, organic odor, wet PID = 0.0/0.3 ppm										
15	WOH/18" 1	S9 18	15.0 17.0		CL	Similar to above		5			10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S13

Boring No. N18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N18

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/24"	S10 23	17.0 19.0		CL	S10: Very soft olive-gray to gray lean CLAY with organics (CL), frequent pockets of sand, shell fragments, mps <1 mm, no structure, organic odor, wet PID = 0.0/0.2 ppm				5	5	90				
20	5 2 1 1	S11 8	19.0 21.0		CL ML	S11 top 9.0 in.: Similar to above S11 bottom 14.0 in. Medium stiff olive SILT with organics (ML), frequent fine and partings, shell fragments, mps <1 mm, no structure, organic odor, wet PID = 0.0/0.0 ppm										
	1 1 1 1	S12 0	21.0 23.0		ML	Note: No recovery. Overdrove 2-in. spoon. Soft gray SILT (ML), 15% clay -HYDRAULIC FILL-					5	95				
	1 2 2 2	S13 24	23.0 25.0	-4.0 23.0	OL/ PT	Soft to medium stiff olive-brown ORGANIC CLAY (OL) interbedded with PEAT (PT) -ORGANIC DEPOSITS-						100				
25				-6.0 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 1, 2010
Finish	June 2, 2010
Driller	R. Eastwood
H&A Rep.	D. Warren
Elevation	18.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.2		-BLACK BITUMINOUS ASPHALT-										
	18 14 14 17	S1 20	0.3 2.5	0.3		Medium dense gray crushed CONCRETE PID = 0.0/0.0 ppm										
				17.0		-FILL-										
				1.5	ML	S1 bottom: Dense gray sandy SILT with gravel (ML), trace brick, cinders, asphalt fragments, mps 1.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	5	10	20	50				
	14 122	S2 4	2.5 3.5		ML	Similar to above Note: Trace concrete in spoon tip. PID = 0.0/0.0 ppm	5	10	5	10	20	50				
						-FILL-										
	100/4"	NR 0	4.0 4.3			Note: No recovery from 4.0 to 4.3 ft. Note: Drilled through concrete from approximately 3.5 to 5.0 ft. Asphalt cap not encountered.										
5				13.5 5.0		Note: Approximate former ground surface.										
	5 17 10/3"	S3 9	5.2 6.5		SM	S3: Medium dense mottled brown to black silty SAND with gravel (SM), trace cinders, slag, asphalt, brick fragments, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	5	20	40	20				
	22 12 6 6	S4 12	6.5 8.5		SM	S4: Medium dense black silty SAND (SM) intermixed with 50% cinders, slag, mps 0.5 in., no structure, no odor, wet PID = 0.0/1.5 ppm		5	10	45	20	20				
						-FILL-										
	2 3 2 2	S5 14	8.5 10.5	10.0 8.5	CL	Medium stiff mottled gray-brown lean CLAY with sand (CL), trace brick and wood fragments, mps <1 mm, no structure, no odor, moist PID = 0.0/0.0 ppm					15	85				
10																
	WOR/ 12" 1 1	S6 6	10.5 12.5		CL-OL/OH	Very soft gray-brown lean CLAY with sand (CL) intermixed with ORGANIC SOIL with sand (OL/OH), mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm					15	85				
	2 2 1 1	S7 18	12.5 14.5		CL-OL/OH	Similar to above PID = 0.0/0.0 ppm					15	85				
						-HYDRAULIC FILL-										
15	WOR/ 12" 1/12"	S8 19	14.5 16.5		CL-OL/OH	Similar to above PID = 0.0/0.0 ppm					15	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/2/10					Not Observed

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S12

Boring No. O12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O12

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 1 1	S9 20	16.5 18.5		CL-OL/OH	Similar to above except with trace shell fragments PID = 0.0/0.0 ppm					15	85				
	WOR 1 2 1	S10 12	18.5 20.5		CL-OL/OH	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-					15	85				
20	WOR/24"	S11 24	20.5 22.5		CL-OL/OH	Similar to above PID = 0.0/0.0 ppm					15	85				
	1 1 1 1	S12 22	22.5 24.5	-4.0 22.5	OL/OH-PT	Very soft gray ORGANIC SOIL (OL/OH) grading to brown fibrous PEAT (PT), mps <1 mm, no structure, organic odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 24.5		BOTTOM OF EXPLORATION 24.5 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. O12

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 4, 2010
Finish	June 4, 2010
Driller	R. Eastwood
H&A Rep.	D. Warren
Elevation	18.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 750 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 10.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.2		-BLACK BITUMINOUS ASPHALT-										
				0.4		Gray crushed CONCRETE										
	14 12 17 29	S1 18	0.5 2.5	17.6 1.0	ML	Medium dense gray sandy SILT (ML), trace asphalt, brick and concrete fragments, cinder specks, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5		5	10	20	60				
						-FILL-										
	60 66 50 54	S2 17	2.5 4.5			Very dense red-brown to gray intermixed crushed RED BRICK and CONCRETE PID = 0.0/0.0 ppm										
						Note: Approximate former ground surface.										
				14.3		-BLACK BITUMINOUS ASPHALT-										
				4.3												
5	15 16 14 7	S3 12	4.5 6.5	14.1 4.5	SW-SM	Dense black well-graded SAND with silt and gravel (SW-SM) intermixed with 50% cinders, slag, mps 0.5 in., no structure, petroleum-like odor, wet PID = 0.0/18.5 ppm		15	10	40	25	10				
						-FILL-										
	13 6 7 10	S4 18	6.5 8.5		SW-SM	Similar to above PID = 0.0/0.5 ppm		15	10	40	25	10				
				11.1 7.5	CL	Very stiff gray lean CLAY with sand (CL) PID = 0.0/0.0 ppm					15	85				
	2 2 1 1	NR 0	8.5 10.5			Note: No recovery.										
						-HYDRAULIC FILL-										
10	1 1 1 1	S5 18	10.5 12.5		CL	Very soft mottled gray-brown lean CLAY with sand (CL), trace shell fragments, coal fragments PID = 0.0/0.0 ppm					15	85				
	1 1 1 1	S6 20	12.5 14.5		CL-OL/OH	Very soft mottled gray-brown to black lean CLAY with sand (CL) intermixed with ORGANIC SOIL with sand (OL/OH), trace peat fibers, shell fragments, wire scraps PID = 0.0/0.0 ppm					15	85				
15	WOR 1 1 1	S7 6	14.5 16.5		CL-OL/OH	Similar to above PID = 0.0/0.0 ppm						100				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/4/10					Not Observed

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S11

Boring No. O13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O13

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 5 6 2	S8 18	16.5 18.5		CL-OL/OH	Similar to above PID = 0.0/0.0 ppm						100				
	1/12" 1/12"	S9 20	18.5 20.5		CL	Very soft gray lean CLAY (CL), trace shell fragments, organic soil, mps < 1 mm, no structure, no odor, wet -HYDRAULIC FILL-						100				
20	WOR/12" 1 1	S10 18	20.5 22.5		CL	Similar to above						100				
				-2.9 21.5	OL/OH-PT	Very soft gray ORGANIC SOIL (OL/OH), trace fibrous PEAT (PT) in occasional thin seams, mps < 1 mm, no structure, organic odor, moist						100				
	WOH/12" 1 1	S11 16	22.5 24.5			Similar to above WOH = Weight of Hammer -ORGANIC DEPOSITS-						100				
				-5.9 24.5		BOTTOM OF EXPLORATION 24.5 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 21, 2010
Finish	June 22, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.7
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.2 0.5		-ASPHALT-										
	6 21 84 44	S1 13	0.7 2.7		SM	Very dense olive silty SAND with gravel (SM), trace brick and asphalt, mps 1-3/8 in., no structure, no odor, wet PID = 0.0 ppm	5	10	35	30	5	15				
						-FILL-										
	100/5"	S2 6	2.7 3.2	15.6 3.1 15.2 3.5	SP	Very dense gray poorly graded SAND with gravel (SP), no structure, no odor, moist PID = 0.0 ppm	5	10	40	25	20					
						Note: Approximate former ground surface.										
						-ASPHALT CAP-										
5	120/0"	NR 0	4.7 6.7			Note: No recovery. Drill action indicates possible granite/concrete from 4.7 to 6.7 ft.										
	11 9 18 11	S3 7	6.7 8.7		CL	Very stiff gray CLAY with sand (CL), trace gravel, brick, mps 0.25 in., no structure, no odor, moist PID = 2.4 ppm				5	10	85				
	3 3 3 4	S4 24	8.7 10.7		CL	Similar to above except medium stiff PID = 0.5 ppm				5	10	85				
10						-HYDRAULIC FILL-										
	2 2 2 3	S5 27	10.7 12.7		CL	Similar to above except soft PID = 0.0 ppm				5	10	85				
	2 3 2 2	S6 24	12.7 14.7		CL	Similar to above except medium stiff PID = 0.0 ppm		5		5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/22/10		0.25	15.0	22.7	3.9

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.7
Rock Cored (ft)	-
Samples	S10

Boring No. O14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	2 2 1 2	S7 24	14.7 16.7		CL	Similar to above except soft PID = 0.0 ppm		5		5	5	85				
	2 3 3 5	S8 23	16.7 18.7		CL	Similar to above except medium stiff PID = 0.0 ppm		5		5	5	85				
	5 5 6 5	S9 16	18.7 20.7		CL	Similar to above except stiff PID = 0.0 ppm -HYDRAULIC FILL-			5	5	5	85				
20				-2.0												
	7 4 3 5	S10 11	20.7 22.7	20.7	GC	Loose gray clayey GRAVEL with sand (GC), mps 0.25 in., no structure, no odor, wet	20	30	15	5	5	25				
				-4.0 22.7		BOTTOM OF EXPLORATION 22.7 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. O14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 21, 2010
Finish	June 21, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.9
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 Ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.5		-ASPHALT-										
	22 91 42	S1 7	0.4 2.0	0.4	GP	Very dense gray poorly graded GRAVEL with sand (GP), mps 1-3/8 in., no structure, no odor, wet PID = 0.0 ppm	15	50	20	10	5					
						-FILL-										
	83 100/2"	S2 9	2.0 2.7		GP	Similar to above except trace brick PID = 0.0 ppm	15	50	20	10	5					
				16.2 2.7		Note: Approximate former ground surface.										
				15.7 3.2		-PROBABLE ASPHALT CAP-										
	49 23 11 13	S3 8	4.0 6.0		GP	S3 top: Similar to above except dense PID = 16.6 ppm	15	50	20	10	5	5				
5				13.9 5.0	CL	S3 bottom: Very stiff gray CLAY with sand (CL), trace brick, mps 0.25 in., no structure, slight fuel oil-like odor, wet PID = 27.3 ppm		5	5	5	5	80				
	12 7 24 20	S4 20	6.0 8.0		CL	S4: Similar to above except hard PID = 8.7 ppm				5	10	85				
						-HYDRAULIC FILL-										
	2 2 2 2	S5 21	8.0 10.0		CL	Similar to above except soft PID = 0.0 ppm				5	10	85				
10	1 1 1 2	S6 24	10.0 12.0		CL	Similar to above except very soft, trace wood PID = 0.0 ppm				5	10	85				
	1 3 3 2	S7 21	12.0 14.0		CL	Similar to above except medium stiff, trace gravel PID = 0.0 ppm		5		5	10	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. O15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	3 1 1 2	S8 19	14.0 16.0		CL	Similar to above except soft, occasional organic pockets PID = 0.0 ppm		5		5	10	80				
	3 3 5 8	S9 24	16.0 18.0		CL	Similar to above except medium stiff PID = 0.0 ppm		5		5	10	80				
	2 2 1 3	S10 6	18.0 20.0		CL	Similar to above except soft PID = 0.0 ppm -HYDRAULIC FILL-		5		5	10	80				
20	2 3 3 2	S11 23	20.0 22.0		CL	Similar to above except medium stiff PID = 0.0 ppm		5		5	10	80				
	4 4 3 4	S12 24	22.0 24.0	-3.1 22.0	OL/ OH	Medium stiff dark gray ORGANIC SILT (OL/OH), occasional peat pockets, mps 5 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-5.1 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. O15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 18, 2010
Finish	June 18, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	19.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.6		-ASPHALT-										
	44 42 50	S1 11	0.4 2.0	0.4	SM	Very dense olive-gray silty SAND (SM), trace brick, mps 1.0 in., bonded, no odor, moist PID = 0.0 ppm		5	20	25	20	30				
	38 19 19 15	S2 14	2.0 4.0		SM	Similar to above except dense PID = 0.0 ppm		5	20	25	20	30				
						-FILL-										
	12 30 100/3"	S3 5	4.0 5.2		GM	Very dense dark brown silty GRAVEL with sand (GM), trace concrete, mps 1-3/8 in., no structure, no odor, wet PID = 0.0 ppm	10	45	10	10	10	15				
5																
	9 8 5 5	S4 8	6.0 8.0		GM	S4 top: Similar to above except medium dense PID = 0.0 ppm	10	45	10	10	10	15				
				12.0 7.0		Note: Approximate former ground surface.										
					OL/OH	S4 bottom: Medium stiff gray ORGANIC SILT with sand (OL/OH), mps 5 mm, no structure, no odor, wet PID = 0.0 ppm				5	10	85				
	15 10 3 2	S5 20	8.0 10.0		OL/OH	Similar to above except stiff										
						-HYDRAULIC FILL-										
10	2 2 1 2	S6 24	10.0 12.0		OL/OH	Similar to above except soft, frequent sandy clay pockets PID = 0.0 ppm				5	10	85				
	2 2 2 3	S7 21	12.0 14.0		OL/OH	Similar to above PID = 0.0 ppm				5	10	85				
15	2 2 2 3	S8 21	14.0 16.0		OL/OH	Similar to above PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/18/10		0.25	11.0	24.0	4.8

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. O16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O16

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 1 1 2	S9 24	16.0 18.0		OL/ OH	Similar to above except very soft PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
	2 3 3 3	S10 20	18.0 20.0	1.0 18.0	SC	Loose gray clayey SAND (SC), mps 5 mm, no structure, no odor, wet PID = 0.0 ppm			10	10	60	20				
20	2 3 4 4	S11 6	20.0 22.0		SC	Similar to above except medium stiff PID = 0.0 ppm -FILL-			10	10	60	20				
	8 3 5 7	S12 24	22.0 24.0	-3.0 22.0	OL/ OH	Medium stiff brown ORGANIC SILT (OL/OH), frequent peat pockets, mps 5 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-5.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. O16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 8, 2010
Finish	July 8, 2010
Driller	J. Galvin
H&A Rep.	O. Lawler
Elevation	18.8
Datum	BCB
Location	

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.3		-ASPHALT-										
	12 66 37 33	S1 17	0.5 1.8	0.5	GP	Very dense gray poorly graded GRAVEL with sand (GP), mps 1-3/8 in., no structure, no odor, moist PID = 0.0/0.0 ppm	15	45	20	10	10					
				17.5 1.3		-FILL-										
				17.0 1.8		Note: Approximate former ground surface. -ASPHALT EM-1 CAP-										
	34 37 8 6	S2 11	1.8 3.8		SM	Dense brown silty SAND with gravel (SM), mps 1-3/8 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	35	20	15	15				
	19 21 11 8	S3 8	3.8 5.8		SM	Similar to above PID = 0.0/0.0 ppm	5	10	35	20	15	15				
5						-FILL-										
	12 9 7 5	S4 6	5.8 7.8		SM	Similar to above except medium dense PID = 0.0/0.0 ppm Note: OL/OH in spoon tip.	5	10	35	20	15	15				
				11.0 7.8												
	3 1 2 2	S5 10	7.8 9.8		OL/OH	Soft gray ORGANIC SILT with sand (OL/OH), mps 0.25 in., no structure, no odor, moist PID = 0.0/0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
10	1 1 2 1	S6 20	9.8 11.8		OL/OH	Similar to above except frequent clay pockets PID = 0.0/0.0 ppm			5	5	5	85				
	3 2 2 2	S7 24	11.8 13.8		OL/OH	Soft gray ORGANIC SILT with sand (OL/OH), mps 0.25 in., no structure, no odor, moist PID = 0.0/0.0 ppm			5	5	5	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/8/2010		0.25	15.0	21.8	2.6

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.8
Rock Cored (ft)	-
Samples	S11

Boring No. O17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O17

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 2	S8 24	13.8 15.8		OL/ OH	Similar to above except very soft PID = 0.0/0.0 ppm				5	10	85				
	2 2 2 3	S9 27	15.8 17.8		OL/ OH	Similar to above except soft PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5	10	85				
	2 2 4 4	S10 24	17.8 19.8		OL/ OH	Similar to above except medium stiff PID = 0.0/0.0 ppm				5	10	85				
20	2 2 4 5	S11 21	19.8 21.8		OL/ OH	Similar to above except soft										
				-2.0 20.8	OL/ OH	Medium stiff brown ORGANIC SILT (OL/OH), mps 5 mm, occasional sand partings, no odor, moist PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-3.0 21.8		BOTTOM OF EXPLORATION 21.8 FT										

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 17, 2010
Finish	June 18, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	12.7
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				12.2		-ASPHALT-										
				0.5												
	18 30 37 38	S1 14	0.7 2.7		SM	Very dense olive silty SAND (SM), trace brick, mps 1.0 in., bonded, no odor, moist PID = 0.0 ppm			10	20	30	40				
						-FILL-										
	11 33 100/5"	S2 8	2.7 4.2		GP	Very dense poorly graded GRAVEL (GP), mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm	10	45	15	15	15					
				8.0		Note: Approximate former ground surface.										
5	6 8 4 2	S3 11	4.7 6.7	4.7	OL/OH	Medium dense brown sandy ORGANIC SILT (OL/OH), occasional clay pockets, trace wood, mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	5	5	15	10	10	55				
	4 1 2 2	S4 15	6.7 8.7		OL/OH	Similar to above except soft PID = 0.0 ppm	5	5	15	10	10	55				
						-HYDRAULIC FILL-										
	2 1 1 2	S5 6	8.7 10.7		OL/OH	Similar to above except very soft				10	10	80				
10	WOR 1 1 1	S6 21	10.7 12.7		OL/OH	Similar to above WOR = Weight of Rod PID = 0.0 ppm				5	10	85				
	2 2 2 2	S7 21	12.7 14.7		OL/OH	Similar to above except soft PID = 0.0 ppm				5	10	85				
15	3 2 2 4	S8 21	14.7 16.7		OL/OH	Similar to above										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/18/10		0.25	15.0	22.7	3.9

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.7
Rock Cored (ft)	-
Samples	S11

Boring No. O18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O18

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	9 8 6 7	S9 24	16.7 18.7		OL/ OH	Similar to above except stiff, occasional clayey sand pocket, trace gravel PID = 0.0 ppm -HYDRAULIC FILL-	5			5	10	80				
20	22 9 6 6	S10 24	18.7 20.7		OL/ OH	Similar to above PID = 0.0 ppm	5			5	10	80				
	2 2 3 7	S11 21	20.7 22.7	-8.0 20.7	OL/ OH	Medium stiff gray ORGANIC SILT (OL/OH), occasional sand partings, trace peat, mps 4 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-10.0 22.7		BOTTOM OF EXPLORATION 22.7 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. O18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P3

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 6, 2010
Finish	July 6, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME-75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						Note: Approximate former ground surface. -BITUMINOUS ASPHALT-										
				0.5		Very dense ASPHALT, 25% sand and gravel										
	7	S1 6	0.5 1.0		SM	Very dense olive-brown silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, moist, trace crushed brick PID = 0.0/0.0 ppm	5	10	10	25	35	15				
	25 50 20 16	S2 15	1.0 3.0													
	10 14 25 24	S3 14	3.0 5.0		SM	Dense olive-brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, trace crushed brick, 10% cinders and ash PID = 0.0/0.0 ppm -FILL- Note: Approximate former ground surface.		5	5	25	30	35				
5	WOH/12" 3 3	S4 10	5.0 7.0	5.0	SM	Loose dark brown silty SAND with gravel (SM), 25% cinders and ash, mps 0.75 in., no structure, slightly smoky odor, wet, with glass PID = 0.0/0.0 ppm		15	5	25	35	20				
	25 10 9 5	S5 10	7.0 9.0		ML	Medium dense dark brown sandy SILT (ML), 20% cinders and ash, mps 0.50 in., no structure, slightly smoky odor, wet, trace crushed brick and glass		10		10	30	50				
10	14 10 16 3	S6 13	9.0 11.0		SM	Medium dense dark brown silty SAND with gravel (SM), mps 0.75 in., 25% cinders and ash, no structure, smoky odor, wet, with wood fragments and crushed brick PID = 0.0/0.0 ppm -FILL-		15	5	25	30	25				
	2 2 2 2	S7 11	11.0 13.0		SM	Similar to above except very loose		15	10	20	35	20				
	WOH/24"	S8 8	13.0 15.0	13.0	MH	Soft gray SILT with sand (MH), mps 1.0 in., no structure, no odor, wet, with shell fragments, trace organics PID = 0.0/0.0 ppm		5		5	15	75				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23
Rock Cored (ft)	-
Samples	S12

Boring No. P3

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P3

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	WOH/24"	S9 14	15.0 17.0		OL/OH CL	Very soft black ORGANIC SILT (OL/OH) intermixed with gray lean CLAY (CL), mps 0.5 in., no structure, organic odor, wet, with little organics, with shell fragments, occasional fine sand partings PID = 0.0/0.0 ppm		5			10	85				
	WOH/12" 1	S10 20	17.0 19.0		CL	Similar to above, mps <1 mm PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5			5	90				
20	WOH/6" 1 1	S11 22	19.0 21.0		CL	Soft gray lean CLAY (CL) 40% silt, mps <1 mm, no structure, slight organic odor, wet, with shell fragments, with little organics PID = 0.0/0.0 ppm				5	5	90				
	WOH/12" 1 1	S12 23	21.0 23.0		CL	S12 top 11.0 in.: Similar to above					5	95				
				22.0	OL/ OH	S12 bottom 12.0 in.: Soft ORGANIC SOIL (OL/OH), mps <1 mm, distinct organic odor, wet, with shell fragments PID = 0.0/0.0 ppm					5	95				
				23.0		-ORGANIC DEPOSITS- BOTTOM OF EXPLORATION 23.0 FT										

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P3

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P4

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 14, 2010
Finish	June 14, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	16.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: PID not used due to rain

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.0		-ASPHALT-										
	10 21 58	S1 12	0.5 2.0	0.5	ML	Dense gray sandy SILT (ML), trace cinders, brick, mps 1.0 in., no structure, no odor, moist -FILL-		5	5	15	20	55				
	100/3"	S2 3	2.0 4.0		ML	Similar to above except very dense Note: Drilled through cobbles from 2.0 to 4.0 ft.		5	10	10	20	55				
	24 25 33 44	S3 9	4.0 6.0	12.5 4.0	SP	Very dense light brown poorly graded SAND (SP), mps 1.0 in., no structure, no odor, wet -FILL-		10	70	5	5					
5	50 22 21 19	S4 16	6.0 8.0		SP	Similar to above except dense Note: Clay in spoon tip. Note: Approximate former ground surface.										
	1 2 3 7	S5 24	8.0 10.0	8.5 8.0	CL	Medium stiff gray lean CLAY with sand (CL) in occasional partings, mps 5 mm, no odor, moist				5	10	85				
10	2 2 3 4	S6 24	10.0 12.0		CL	Similar to above -HYDRAULIC FILL-				5	10	85				
	6 6 6 9	S7 21	12.0 14.0		OL	Similar to above except stiff				5	10	85				
15	2 2 4 4	S8 24	14.0 16.0		CL	Similar to above except medium stiff				5	10	85				
	4 2 4 5	S9 24	16.0 18.0		CL	Similar to above except occasional sandy clay pockets				10	10	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/10/10		0.25	15.0	26.0	4.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S13

Boring No. P4

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P4

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 4 3 5	S10 24	18.0 20.0		SC	Very loose gray clayey SAND (SC), mps 5 mm, no structure, no odor, wet				5	80	15				
20	8 3 4 3	S11 24	20.0 22.0		SC	Similar to above -HYDRAULIC FILL-				5	80	15				
	3 3 3 5	S12 24	22.0 24.0		SC	Similar to above				5	80	15				
	8 7 8 7	S13 24	24.0 26.0	-7.5 24.0	OL/ OH	Stiff brown ORGANIC SILT (OL/OH), trace peat, occasional sand partings, no odor, wet -ORGANIC DEPOSITS-					5	95				
				-9.5 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P4

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P9

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 15, 2010
Finish	June 15, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.8
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-BITUMINOUS ASPHALT-										
				0.3												
				17.1		-CRUSHED CONCRETE-										
	16 21 27	S1 15	0.3 1.8	0.7	SM	S1 bottom 11.0 in.: Dense olive-gray silty SAND (SM), 5% clay with crushed brick, ceramic, mps 2.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm										
	16 31 58 75	S2 9	1.8 3.8			S2 top 6.0 in.: Similar to above -FILL- Note: Approximate former ground surface.										
				14.3												
				3.5		-ASPHALT CAP-										
	63 37 29 12	S3 19	3.8 5.8	14.0 3.8	SP	S3 top 15.0 in.: Dense red-gray poorly graded SAND with gravel (SP), crushed brick, 5% crushed concrete, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	10	35	35	5				
5					ML	S3 bottom 4.0 in.: Medium dense dark brown to black sandy SILT (ML), crushed brick, ceramics, mps 0.5 in., no structure, no odor, moist		10	5	10	25	50				
	6 5 5 4	S4 4	5.8 7.8		SP	S4: Loose dark brown poorly graded SAND with silt (SP), 15% cinders and ash, crushed brick and slag, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	10	25	45	15				
	5 2 1 1	S5 9	7.8 9.8		SP	S5 top 5.0 in.: Similar to above -FILL-										
				8.3												
				9.5	CL	S5 bottom 4.0 in.: Soft olive-gray lean CLAY (CL, mps <2 mm, no structure, no odor, wet				5	5	90				
10	2 2 2 2	S6 9	9.8 11.8		CL	S6: Soft olive-gray lean CLAY (CL) intermixed with red-yellow (stiff) lean clay, occasional silt partings, mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm					5	95				
	WOH/ 24"	S7 24	11.8 13.8		CL	Similar to above except very soft PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
15	WOH/ 18" 1	S8 7	13.8 15.8		CL	Very soft olive-gray lean CLAY (CL), trace organics, mps <3 mm, no structure, no odor, wet PID = 0.0/0.0 ppm			5			95				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.8
Rock Cored (ft)	-
Samples	S12

Boring No. P9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P9

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/ 18" 1	S9 8	15.8 17.8		CL	Similar to above PID = 0.0/0.0 ppm			5			95				
	3 3 3 4	S10 24	17.8 19.8		CL	S10 top 10.0 in.: Similar to above					5	95				
					CL	S10 middle 9.0 in.: Medium stiff black organic CLAY (CL), shell fragments, mps <2 mm, no structure, strong organic odor, wet					5	95				
					SP	S10 bottom 3.0 in.: Loose black poorly graded SAND (SP), mps <2 mm, no structure, organic odor, wet PID = 0.0/0.0 ppm			10	40	50					
20	2 2 2 2	S11 24	19.8 21.8		SM	S11 top 7.0 in.: Loose gray silty SAND (SM), shell fragments, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm										
					CL	S11 bottom 17.0 in.: Medium stiff gray lean CLAY (CL), frequent silt partings, shell fragments, 30% silt, mps <1 mm, no structure, slight organic odor, wet										
	3 3 5 3	S12 24	21.8 23.8		CL	S12 top 20.0 in.: Similar to above PID = 0.0/0.0 ppm										
				-5.7 23.5		-HYDRAULIC FILL-										
				-6.0 23.8	OL	S12 bottom 4.0 in.: Medium stiff red-gray ORGANIC CLAY (OL), frequent pockets of peat, mps <1 mm,, strong organic odor, wet PID = 0.0/0.0 ppm						100				
						-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 23.8 FT										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P9

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P10

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 16, 2010
Finish	June 16, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	18.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-BITUMINOUS ASPHALT-										
				0.5		-CRUSHED CONCRETE-										
	16 16 40	S1 15	0.5 2.0	17.1 0.9	SM	S1 bottom: Very dense gray-green silty SAND with gravel (SM), 10% clay, 5% crushed red brick, mps 2.0 in., no structure, no odor, moist	5	10	15	15	30	25				
	10 16 38 53	S2 13	2.0 4.0		SM	S2 top 11 in.: Similar to above PID = 0.0/0.0 ppm	5	10	15	15	30	25				
						-FILL- Note: Approximate former ground surface.										
				14.2 3.8		-ASPHALT CAP-										
	14 9 8 9	S3 14	4.0 6.0	14.0 4.0	SM	Medium dense dark brown silty SAND (SM), occasional pockets of silt, mps 0.25 in., no structure, slight organic odor, moist PID = 0.0/0.7 ppm		5	15	20	40	20				
5																
	8 4 3 3	S4 13	6.0 8.0		SM	S4 top 6.0 in.: Similar to above		5	15	20	40	20				
					ML	S4 bottom 7.0 in.: Loose dark brown to black sandy SILT (ML), mps <2 mm, no structure, slight organic odor, moist				10	35	55				
						-FILL-										
	2 1 1 1	S5 6	8.0 10.0	9.5 8.5	ML	S5 top 3.0 in.: Similar to above										
					CL	S5 bottom 3.0 in.: Very soft olive-gray lean CLAY (CL), mps 3 mm, no structure, no odor, wet PID = 0.0/3.1 ppm										
10	WOH/24"	S6 24	10.0 12.0		CL	Very soft olive-gray lean CLAY (CL), frequent pockets of silt, occasional fine sand partings, shell fragments, mps 0.5 in., no structure, slight organic odor, wet					5	95				
	WOH/24"	S7 24	12.0 14.0		CL	Very soft olive-gray lean CLAY (CL), frequent pockets of silt, occasional pockets of peat, shell fragments, trace organics, mps <1 mm, no structure, no odor, wet					5	95				
	WOH/6" 1 1 1	S8 11	14.0 16.0		CL	Similar to above PID = 0.0/3.1 ppm										
15						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. P10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P10

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 2	S9 24	16.0 18.0		CL	S9 top 6.0 in.: Soft olive-gray lean CLAY (CL), pockets of peat, shell fragments, mps 0.75 in., no structure, slight organic odor, wet		5			5	90				
					ML OH	S9 mid 12.0 in.: Soft olive-gray to gray SILT with sand (ML), 15% clay, shell fragments, fine sand seams, mps <2 mm, no structure, slight organic odor, wet				5	10	85 100				
	4 5 5 5	S10 15	18.0 20.0		ML	S9 bottom 6.0 in.: Black ORGANIC SILT (OH), shell fragments, mps <1 mm, no structure, distinct organic odor, wet PID = 0.0/5.3 ppm					10	90				
					ML	S10 top 7.0 in.: Medium dense gray SILT (ML), 5% clay, shell fragments, mps <1 mm, no structure, no odor, wet					10	90				
20	2 2 1 1	S11 17	20.0 22.0		ML/ SM	S10 bottom 8.0 in.: Medium dense gray sandy SILT (ML), frequent fine sand seams, shell fragments, mps <1 mm, no structure, no odor, wet PID = 0.0/17.1 ppm S11: Loose gray sandy SILT (ML) to gray silty SAND (SM), shell fragments, pockets of silt, fine sand seams, mps <1 mm, no structure, no odor, wet					30	70				
	3 3 2 3	S12 21	22.0 24.0		ML/ SM	S12 top 11.0 in.: Similar to above -HYDRAULIC FILL-										
				-5.2 23.2	OL/ OH	S12 bottom 10.0 in.: Medium stiff ORGANIC CLAY (OL/OH) with frequent pockets of peat -ORGANIC DEPOSITS-										
				-6.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P12

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 2, 2010
Finish	June 2, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	17.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 7.0 ft; HW Driven to 5.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0		-ASPHALT-										
	17	S1 4	0.5 1.0	0.4	GP	Medium dense gray poorly graded GRAVEL (GP), mps 0.75 in., no structure, no odor, wet PID = 0.0 ppm	15	60	10	10	5					
	34 26 34 1003"	S2 9	1.0 3.0		ML	S2: Very dense dark gray SILT with sand (ML), trace brick, mps 0.25 in., bonded, no odor, moist PID = 0.0 ppm		5	5	10	10	70				
						-FILL-										
	100/3"	S3 5	3.0 3.2		GP	Very dense dark gray poorly graded GRAVEL (GP), trace asphalt, wood, brick, mps 0.75 in., no structure, creosote-like odor, wet PID = 0.0 ppm	15	60	10	10	5					
						Note: Drilled through concrete from 3.2 to 5.0 ft. Note: Approximate former ground surface.										
5	19 11 7 3	S4 7	5.0 7.0	12.4 5.0	GP	Medium dense gray-brown poorly graded GRAVEL (GP), trace cinder, brick, mps 0.75 in., no structure, no odor, wet PID = 0.0 ppm	10	60	15	10	5					
						-FILL-										
	6 6 29 18	S5 9	7.0 9.0	10.4 7.0	SP	Dense gray poorly graded SAND (SP), trace cinder, mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm										
						-FILL-										
10	2 2 2 3	S6 17	9.0 11.0	8.4 9.0	CL	Soft gray CLAY with sand (CL), trace brick and wood, mps 0.25 in., no structure, no odor, moist PID = 0.0 ppm				5	10	85				
	3 2 2 2	S7 24	11.0 13.0		CL	Similar to above except frequent organic silt and peat pockets PID = 0.0 ppm				5	10	85				
	1 1 1 2	S8 4	13.0 15.0		CL	Similar to above except very soft PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
15	2 2 3 4	S9 7	15.0 17.0		CL	Similar to above except medium stiff, trace shells PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/2/10		0.25	9.0	25.0	3.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.0
Rock Cored (ft)	-
Samples	S13

Boring No. P12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. P12

File No. 12486-515
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Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 4 5 6	S10 24	17.0 19.0		CL	Similar to above except stiff PID = 0.0 ppm				5	10	85				
20	1 1 2 4	S11 7	19.0 21.0		CL	Similar to above except soft PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
	6 2 3 4	S12 24	21.0 23.0		CL	Similar to above except medium stiff, occasional organic silt pockets PID = 0.0 ppm				5	10	85				
	1 1 2 4	S13 24	23.0 25.0	-5.6 23.0	PT	Soft brown PEAT (PT), mps 5 mm, no structure, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
25				-7.6 25.0		BOTTOM OF EXPLORATION 25.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 21, 2010
Finish	June 21, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	18.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0		-BITUMINOUS ASPHALT-										
				0.2		-CRUSHED CONCRETE-										
	7 17 80 110	S1 18	0.2 2.2	17.7 0.5	SC	S1 mid: Very dense olive-gray clayey SAND with gravel (SC), crushed brick and piece of metal, ceramic, glass, mps 2.0 in., no structure, no odor, moist -FILL- PID = 0.0/0.0 ppm	5	10	10	15	35	25				
				16.2 2.0	SP	S1 bottom 3.0 in.: Very dense gray poorly graded SAND with gravel (SP), 50% concrete, mps 0.75, no structure, concrete odor, dry		15	15	25	40	5				
	36 59 100/3"	S2 9	2.2 3.6	16.0 2.2	SP	S2: Very dense red-gray poorly graded SAND with gravel (SP), mps 0.5 in., no structure, no odor, moist Note: Ground through obstruction to 4.2 ft; grindings indicated concrete. PID = 0.0/0.0 ppm		15	10	35	35	5				
	14 8 5 4	S3 11	4.2 6.2		SM	Medium dense dark brown to black silty SAND (SM), occasional gray-green silt layer (20% clay), crushed brick and glass, mps 0.75 in., no structure, petroleum-like odor, moist		5	10	25	40	30				
5	5 8 3 3	S4 11	6.2 8.2		SM	Medium dense dark brown to black silty SAND (SM), crushed brick, glass, pockets of brown sand, mps 0.25 in., no structure, petroleum-like odor, moist -FILL-		5	5	20	40	30				
	3 2 2 2	S5 14	8.2 10.2	9.9 8.3	SM CL	S5 top 4.0 in.: Similar to above S5 bottom 10.0 in.: Soft olive-gray lean CLAY (CL), 40% silt, pockets of brown fibrous peat, occasional silt partings, pockets of fine sand, mps 0.5 in., no structure, no odor, wet PID = 0.0/2.1 ppm		5		5	5	85				
10	WOH/18" 1	S6 13	10.2 12.2		CL	Very soft olive-gray lean CLAY with sand (CL) interbedded with black organic silt, shell fragments, pockets of peat, trace organics, mps <0.25 in., no structure, no odor, wet PID = 0.0/4.6 ppm		5		10	10	75				
	1 1 1 1	S7 24	12.2 14.2		CL	Very soft gray lean CLAY (CL), 35% silt, shell fragments, pockets of sand, trace organics, mps <2 mm, no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5		5	90				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.2
Rock Cored (ft)	-
Samples	S12

Boring No. P13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. P13

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	2 2 2 2	S8 22	14.2 16.2		CL	Similar to above except soft					10	90				
	WOH/24"	S9 14	16.2 18.2		CL-ML	Very soft gray to olive-gray lean CLAY (CL) interbedded with gray sandy SILT (ML), shell fragments, pockets of peat, trace organics, mps <2 mm, no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5	5 25	95 70				
20	WOH/12" 1 1	S10 23	18.2 20.2		CL/OH	Very soft gray to olive-gray lean CLAY (CL) interbedded with black ORGANIC SILT (OH), shell fragments, frequent pockets of sand, mps 0.25 in., no structure, organic odor, wet PID = 0.0/0.0 ppm		5		5	5	85				
	WOH/24"	S11 23	20.2 22.2		CL/OL	S11 top 15.0 in.: Gray to olive-brown lean CLAY (CL) interbedded with brown ORGANIC CLAY (OL), pockets of peat, mps <1 mm, no structure, slight organic odor, wet					10	90				
				-3.7 21.9	OL/OH-PT	S11 bottom 4.0 in.: Olive-brown ORGANIC SILT (OL/OH) interbedded with brown fibrous PEAT (PT) PID = 0.0/0.0 ppm						100				
	WOH/24"	S12 21	22.2 24.2		OL/OH	S12: Similar to above -ORGANIC DEPOSITS-										
				-6.0 24.2		BOTTOM OF EXPLORATION 24.2 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P14

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start June 21, 2010
Finish June 21, 2010
Driller R. Eastwood
H&A Rep. D. Crawford
Elevation 18.3
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 10.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0		-BITUMINOUS ASPHALT-										
	17 26 23 45	S1 19	0.3 2.3	0.3 17.4		-CRUSHED CONCRETE-										
				0.9	SC	S1 bottom 12.0 in.: Dense olive-gray clayey SAND with gravel (SC), trace crushed red brick, mps 1.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	5	15	35	30				
						-FILL-										
	38 64 100/4"	S2 15	2.3 3.7		SC	S2 top 10.0 in.: Similar to above Note: Approximate former ground surface.										
				15.1 3.2		-ASPHALT CAP-										
				14.7 3.6												
5	15 7 9 8	S3 13	4.3 6.3		SM	Medium dense dark brown to black silty SAND (SM) interbedded with layers of olive sandy silt, crushed brick, ceramics, glass, mps 1.0 in., no structure, slight petroleum-like odor, wet PID = 0.0/0.8 ppm	5	5	10	20	40	20				
						-FILL-										
	7 6 8 8	S4 15	6.3 8.3		ML	S4: Top 12.0 in.: Medium dense sandy SILT (ML), occasional gray silt seams, ceramics, glass, mps 0.5 in., no structure, petroleum-like odor, wet PID = 0.0/5.1 ppm		5	5	5	25	60				
				11.0 7.3	CL	S4 bottom 3.0 in.: Medium stiff olive-gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet				5	5	90				
	WOH/24"	S5 12	8.3 10.3		CL	Soft olive-gray lean CLAY (CL) interbedded with olive-brown lean clay, glass, mps 0.25 in., no structure, no odor, wet PID = 0.0/2.9 ppm		5			5	90				
10	WOH/24"	S6 12	10.3 12.3		CL	Very soft olive-gray to gray lean CLAY (CL), 35% silt, occasional pockets of peat, glass, mps 0.3 in., no structure, organic odor, wet			5		5	90				
	WOH/24"	S7 16	12.3 14.3		CL	Similar to above				5	5	90				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 24.3
Rock Cored (ft) -
Samples S12

Boring No. P14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/24"	S8 24	14.3 16.3		CL	S8 top: Very soft olive-gray to gray lean CLAY (CL), frequent pockets of peat, mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5			5	90				
15					OH/ CL	S8 bottom 12.0 in.: Very soft black ORGANIC SILT (OH), interbedded with gray lean CLAY (CL), frequent pockets of peat, occasional silt partings, shell fragments, mps <1 mm, no structure, slight organic odor, wet PID = 0.0/0.0 ppm					5	95				
	WOH/24"	S9 23	16.3 18.3		OH/ CL	S9 top 12.0 in.: Similar to above PID = 0.0/0.0 ppm										
					CL	S9 bottom 11.0 in.: Very soft olive-gray lean CLAY (CL), 40% silt, occasional fine sand seams, mps 0.25 in., no structure, no odor, wet					5	90				
	2 2 2 2	S10 11	18.3 20.3		OH/ CL	S10: Soft black ORGANIC SILT (OH) interbedded with soft gray lean CLAY (CL), frequent pockets of sand, 1-in. piece of red brick, mps 1.0 in., no structure, organic odor, wet PID = 0.0/1.1 ppm	5			5	5	85				
20																
	1 2 2 2	S11 9	20.3 22.3		CL	Soft gray sandy lean CLAY (CL), 35% silt, crushed brick fragments, shell fragments, mps 0.3 in., no structure, slight organic odor, wet PID = 0.0/0.5 ppm		5			5	90				
						-HYDRAULIC FILL-										
	2 2 2 2	S12 23	22.3 24.3		CL	S12 top 7.0 in.: Similar to above		5			5	90				
				-4.7 23.0	OL/ OH	S12 bottom 16.0 in.: Gray ORGANIC SOIL (OL/OH), shell fragments, mps <1 mm, distinct organic odor										
						-ORGANIC DEPOSITS-										
				-6.0 24.3		BOTTOM OF EXPLORATION 24.3 FT										
						Note: Borehole grouted to surface upon completion.										
						WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 18, 2010
Finish	June 18, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.4		-BITUMINOUS ASPHALT-										
				0.8		-CRUSHED CONCRETE-										
	13 16 12 26	S1 13	0.4 2.4		SC	S1 bottom: Medium dense olive-gray clayey SAND (SC), crushed brick, 10% silt, mps 0.5 in., no structure, no odor, moist		5	10	20	35	30				
						-FILL-										
	36 49 74 103	S2 14	2.4 4.4		SP	S2 top 8.0 in.: Dense gray-brown poorly graded SAND with gravel (SP), mps 0.5 in., no structure, no odor, moist		15	10	30	40	5				
				3.1		Note: Approximate former ground surface.										
				3.7		-ASPHALT CAP-										
					SP	S2 bottom 2.0 in.: Brown poorly graded SAND (SP), mps 0.5 in., no odor, moist		5	10	35	45	5				
	20 16 9 9	S3 2	4.4 6.4			S3: 15 pieces of fine gravel										
5						-FILL-										
	10 12 7 4	S4 2	6.4 8.4		SM/ SP	Medium dense gray-black poorly graded SAND (SM) Note: Overdrove 3-in. spoon to 8.4 ft for adequate recovery; black silty SAND with gravel (SP), petroleum-like odor, soil has a black sheen look to it. PID = 0.0/1.7 ppm	10	10	10	20	35	15				
				8.4												
	4 4 5 4	S5 21	8.4 10.4		OL/ OH CL	S5 top: Medium stiff gray ORGANIC SILT (OL/OH), frequent sand seams, 10% clay, broken shells, mps <1 mm, no structure, organic odor, wet S5 bottom 10 in.: Medium stiff gray to olive-gray lean CLAY with organics (CL), pockets of silt and fine sand, frequent sand seams, whole shells and shell fragments, mps <1 mm, organic odor, wet				5 5	5 5	90 90				
10																
	WOH/24"	S6 20	10.4 12.4		CL	Similar to above except very soft										
						-HYDRAULIC FILL-										
	WOH/24"	S7 2	12.4 14.4		CL	Note: Minimum recovery. Overdrove 3-in. spoon. Very soft lean CLAY with sand (CL), frequent sand seams, 35% silt, whole shells and fragments, significant organics staining, mps <1 mm, no structure, light petroleum odor, wet PID = 0.0/0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.4
Rock Cored (ft)	-
Samples	S12

Boring No. P15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/18"	S8	14.4		ML	S8 top: Very soft to very loose dark gray SILT with sand (ML) intermixed with black organic soil, shell fragments, pockets of peat, mps <1 mm, no structure, organic odor, wet				5	10	85				
15	1	21	16.4		CL	PID = 0.0/0.0 ppm S8 bottom 9.0 in.: Very soft gray to olive-gray lean CLAY (CL) intermixed with black organic soil, pockets of peat, sand seams, mps <1 mm, no structure, wet				5	5	90				
	WOH/18"	S9	16.4		CL	S9 top: Similar to above										
	2	24	18.4		CL	S9 bottom 10.0 in.: Soft olive-gray lean CLAY (CL) intermixed with black organic soil, s hell fragments, pockets of peat, mps <1 mm, no structure, organic odor, wet										
	1 1 1 1	S10 23	18.4 20.4		CL	S10 top 16.0 in.: Soft olive-gray lean CLAY (CL), occasional pockets of brown silt, mps <1 mm, no structure, no odor, wet PID = 0.0/0.2 ppm					5	95				
20					OH	S10 bottom 7.0 in.: Black ORGANIC SILT (OH), fine sand partings, pockets of peat, mps <1 mm, no structure, organic odor, wet					5	95				
	2 2 2 2	S11 12	20.4 22.4		OH/ PT	Soft to medium stiff gray ORGANIC SILT (OH) intermixed with brown fibrous PEAT (PT), shell fragments, mps <1 mm, organic odor, moist to wet -HYDRAULIC FILL-										
	2 3 2 3	S12 18	22.4 24.4	23.0	OL/ PT	S12 bottom: Medium stiff olive-brown ORGANIC CLAY (OL) intermixed with brown fibrous PEAT (PT) -ORGANIC DEPOSITS-										
				24.4		BOTTOM OF EXPLORATION 24.4 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P16

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 16, 2010
Finish	June 16, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.1		-ASPHALT-										
	15 18 16 100/1"	S1 11	0.6 2.6	0.5	ML	Dense olive sandy SILT (ML), mps 1-3/8 in., bonded, no odor, moist PID = 0.0 ppm		5	5	15	20	55				
	56 80 91 8	S2 11	2.6 4.6		ML	Similar to above except very dense, trace cinder PID = 0.0 ppm			10	10	20	60				
						-FILL-										
5	20 11 14 10	NR 0	4.6 6.6			Note: No recovery with 2- or 3-in. spoon. Gravel in spoon tip.										
				12.0 6.6		Note: Approximate former ground surface.										
	2 3 7 2	S3 24	6.6 8.6		OL/OH	Medium stiff black ORGANIC SILT with sand (OL/OH), mps 4 mm, no structure, no odor, wet PID = 0.0 ppm				5	10	85				
	1 1 2 2	S4 24	8.6 10.6		OL/OH	Similar to above except soft PID = 0.0 ppm				5	10	85				
10						-HYDRAULIC FILL-										
	2 2 2 2	S5 21	10.6 12.6		OL/OH	Similar to above PID = 0.0 ppm				5	10	85				
	2 3 3 2	S6 24	12.6 14.6		OL/OH	Similar to above except medium stiff PID = 0.0 ppm				5	10	85				
15	2 2 2 3	S7 24	14.6 16.6		OL/OH	Similar to above except soft, occasional sandy clay pockets PID = 0.0 ppm										
	3 4 3 3	S8 24	16.6 18.6		OL/OH	Similar to above except medium stiff, trace peat PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/16/10		0.25	15.0	27.6	2.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.6
Rock Cored (ft)	-
Samples	S10

Boring No. P16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P16

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 2 3 3	S9 24	18.6 20.6		OL/ OH	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
	2 4 3 5	S10 21	20.6 22.6	-2.0 20.6	OL/ OH	Dark brown ORGANIC SILT (OL/OH), frequent peat pockets, occasional sand partings, mps 4 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-3.9 22.5		BOTTOM OF EXPLORATION 22.6 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P16

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P17

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 5
Start	July 6, 2010
Finish	July 7, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NX
Inside Diameter (in.)	4/3	1 3/8	2
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Drive to 54.0 ft; HW Drive to 24.0 ft.
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.1		-ASPHALT-										
	15 34 32 27	S1 18	0.6 2.6	0.5	ML	Very dense gray-green sandy SILT with gravel (ML), mps 1.0 in., trace brick, cinders, bonded, no odor, moist Note: Approximate former ground surface. PID = 0.0/0.0 ppm		10	10	10	15	55				
				16.3 2.3		-FILL- Note: Approximate former ground surface.										
	120 42 37 54	S2 11	2.6 4.6	16.0 2.6	ML	-ASPHALT EM-1 CAP- Similar to above PID = 0.0/0.0 ppm		10	10	10	15	55				
						-FILL-										
5	32 21 10 13	S3 13	4.6 6.6		SP-SM	Medium dense gray poorly graded SAND with silt (SP-SM), mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm			40	30	20	10				
	13 16 11 10	S4 8	6.6 8.6	12.0 6.6	OL/OH	Very stiff black ORGANIC SILT with sand (OL/OH), mps 5 mm, trace brick, no structure, organic odor, moist PID = 0.0/0.0 ppm			5	5	10	80				
	2 2 2 3	S5 24	8.6 10.6		OL/OH	Similar to above except soft, frequent clay pockets PID = 0.0/0.0 ppm			5	5	10	80				
						-HYDRAULIC FILL-										
10	WOH/12" 4 4	S6 24	10.6 12.6		OL/OH	Similar to above PID = 0.0/0.0 ppm			5	5	10	80				
	2 2 3 4	S7 21	12.6 14.6		OL/OH	Similar to above except medium stiff PID = 0.0/0.0 ppm			5	5	10	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/1/2010		0.25	15.0	22.7	3.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	52.0
Rock Cored (ft)	20.0
Samples	S16, C4

Boring No. P17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P17

File No. 12486-515
Sheet No. 2 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	4 3 4 4	S8 24	14.6 16.6		OL/OH	Similar to above PID = 0.0/0.0 ppm			5	5	10	80				
	16 12 9 16	S9 24	16.6 18.6		OL/OH	Similar to above except very stiff, trace gravel, mps 0.25 in. PID = 0.0/0.0 ppm		5	5	5	5	80				
						-HYDRAULIC FILL-										
	3 2 3 4	S10 24	18.6 20.6		OL/OH	Similar to above except medium stiff, no gravel PID = 0.0/0.0 ppm Note: Natural organic silt in spoon tip.			5	5	5	85				
20				-2.0 20.6												
	5 4 4 6	S11 24	20.6 22.6		OL/OH	Medium stiff gray-brown ORGANIC SILT (OL/OH), mps 5 mm, trace peat, occasional sand partings, organic odor, wet PID = 0.0/0.0 ppm					5	95				
						-ORGANIC DEPOSITS-										
25	3 3 3 4	S12 24	24.0 26.0		OL/OH	Similar to above PID = 0.0/0.0 ppm										
				-6.9 25.5	CL	Medium stiff gray lean CLAY with sand (CL), mps 5 mm, frequent sand partings, no odor, moist PID = 0.0/0.0 ppm				5	10	85	N	L	L	
						-MARINE DEPOSITS-										
30						Note: Drill action indicates gravel at 32.5 ft.										
35	10 18 47 22	S13 5	34.0 36.0		GC	Hard gray sandy lean CLAY with gravel (GC), mps 0.25 in., no structure, no odor, wet	5	15	10	10	5	55				

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P17

File No. 12486-515

Sheet No. 3 of 5

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
				-18.4 37.0		-MARINE DEPOSITS-										
40	24 27 26 31	S14 6	39.0 41.0		ML	Very dense olive-gray sandy SILT with gravel (ML), mps 1.0 in., bonded, no odor, moist	5	10	15	10	10	50				
						-GLACIAL TILL DEPOSITS-										
45	15 26 28 27	S15 6	44.0 46.0		ML	Very dense olive-gray sandy SILT with gravel (ML), mps 1.0 in., bonded, no odor, moist	5	10	15	10	10	50				
50	21 19 23 27	S16 8	49.0 51.0		ML	Similar to above except dense Note: Artesian conditions observed when drilling from 49.0 to 52.0 ft. Drill action indicates stratum change at 52.0 ft. TOP OF BEDROCK 52.0 FT	5	10	15	10	10	50				
				-33.4 52.0												
55						SEE CORE BORING REPORT FOR ROCK DETAILS										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

CORE BORING REPORT

Boring No. P17
File No. 12486-515
Sheet No. 5 of 5

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
		C1	54.0 59.0	56 93	93 155	Fresh to Slight		Medium hard fresh to slightly weathered gray fine grained ARGILLITE. Bedding is very thin, low angle. Preliminary joint set is parallel to bedding, low angle, close to moderate, smooth planar, discolored, tight, occasional calcite coatings.
55	3.75							
	3.75							
	3.5							
	3.75							
	3.75	C2	59.0 64.0	57 54	95 90	Fresh		Similar to above except occasional calcite infilling along joint.
60	3.75							
	3.75							
	3.75							-BEDROCK-
	3.75							
	3.75	C3	64.0 69.0	56 51	93 85	Fresh		Similar to above
65	4.0							
	4.0							
	3.75							
	3.75							
	3.75	C4	69.0 74.0	60 50	100 83	Fresh		Similar to above
70	3.5							
	3.75							
	3.75							
	3.5							
	3.5						-55.4 74.0	BOTTOM OF EXPLORATION 74.0 FT
75								Note: Borehole grouted to surface upon completion.

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P18

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 17, 2010
Finish	June 17, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	18.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0		-ASPHALT-										
	22 26 100/4"	S1 14	0.5 2.5	0.5	ML	Very dense olive sandy SILT (ML), 10% brick, trace concrete, mps 1.0 in., bonded, no odor, moist PID = 0.0 ppm			5	10	30	55				
				16.0		-FILL-										
	3 2 3 2	S2 9	2.5 4.5	2.5	CL	Medium stiff olive-gray lean CLAY with sand (CL), trace wood, frequent organic silt pockets, mps 0.25 in., no structure, no odor, moist PID = 0.0 ppm				5	10	85				
5	3 3 3 4	S3 24	4.5 6.5		CL	Similar to above Note: Appears to be drilling down wood pile. PID = 0.0 ppm				5	10	85				
	5 4 3 5	S4 16	6.5 8.5		OL/OH	Medium stiff gray ORGANIC SILT (OL/OH), mps 4 mm, no structure, organic odor, wet Note: Wood from pile in side of spoon. PID = 0.0 ppm					5	95				
	4 3 3 4	S5 24	8.5 10.5		OL/OH	Similar to above except occasional clay pockets, trace shells PID = 0.0 ppm					5	95				
10	4 4 3 3	S6 24	10.5 12.5		OL/OH	Similar to above PID = 0.0 ppm					5	95				
						-HYDRAULIC FILL-										
	3 1 2 2	S7 24	12.5 14.5		OL/OH	Similar to above except soft PID = 0.0 ppm					5	95				
15	3 5 7 6	S8 24	14.5 16.5		OL/OH	Similar to above except stiff PID = 0.0 ppm					5	95				
	8 7 7 6	S9 0	16.5 18.5			Note: No recovery.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/17/10		0.25	15.0	27.5	3.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.5
Rock Cored (ft)	-
Samples	S11

Boring No. P18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P18

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 4 3 5	S10 20	18.5 20.5		OL/ OH	Similar to above except medium stiff PID = 0.0 ppm -HYDRAULIC FILL-					5	95				
20	3 3 2 3	S11 21	20.5 22.5		OL/ OH	Similar to above PID = 0.0 ppm					5	95				
				-4.0 22.5		BOTTOM OF EXPLORATION 22.5 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q3

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 6, 2010
Finish	July 6, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME-75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Drive to 20.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	5	S1 2	0.0 1.0	0.4		Note: Approximate former ground surface.										
					SM	-BITUMINOUS ASPHALT-		15	10	30	30	15				
	10 16 14 8	S2 13	1.0 3.0		SM	Very loose brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, with occasional clumps of silt, with wood fragments and crushed brick PID = 0.0/0.0 ppm Similar to above except medium stiff PID = 0.0/0.0 ppm		15	10	25	35	15				
	6 4 3 2	S3 22	3.0 5.0		SM	Loose brown silty SAND (SM), mps 0.75 in., no structure, no odor, moist, with crushed brick and glass PID = 0.0/0.0 ppm -FILL- Note: Approximate former ground surface.		10	10	20	35	25				
5	6 9 6 17	S4 19	5.0 7.0	5.0	SP	Loose dark brown poorly graded SAND (SP), 30% cinders and ash, mps 0.75 in., no structure, smoky odor, moist, with glass and wood fragments PID = 0.0/0.0 ppm		10	30	40	20					
		S5 16	7.0 9.0		SP	Similar to above, mps 1.0 in., with crushed brick PID = 0.0/0.0 ppm -FILL-	5	5	30	40	15	5				
10	4 2 2 5	S6 0	9.0 11.0			Note: No recovery. Overdrove 3-in. spoon; recovery predominantly wash. PID = 0.0/0.0 ppm										
	5 3 3 4	S7 2	11.0 13.0			Minimal recovery. Overdrove 3-in. spoon, recovery: olive-gray sandy SILT (ML), mps <1 mm, predominantly wash including cinders and ash, crushed brick and slag										
	5 3 2 3	S8 22	13.0 15.0	13.0	ML	S8 top 18.0 in.: Medium stiff gray SILT (ML), mps 0.5 in., no structure, no odor, moist, with shell fragments and frequent sand partings PID = 0.0/0.0 ppm		5		5	5	85				
					CL	S8 bottom 4.0 in.: Medium still olive-gray lean CLAY (CL), 40% silt, mps <1 mm, no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm					5	95				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25
Rock Cored (ft)	-
Samples	S13

Boring No. Q3

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q3

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	3 3 5 6	S9 20	15.0 17.0		CL	Similar to above except mps 0.5 in. PID = 0.0/0.2 ppm -HYDRAULIC FILL-		5			5	90				
	8 7 5 3	S10 22	17.0 19.0		CL	S10 top 10.0 in.: Similar to above, mps <1 mm					5	95				
					OL/ OH-CL	S10 bottom 12.0 in.: Medium stiff ORGANIC SILT (OL/OH) intermixed with olive-gray lean CLAY (CL), mps <1 mm, no structure, slight organic odor, wet, with shell fragments, occasional sand parting PID = 0.0/0.5 ppm					5	95				
	1 1 1 1	S11 22	19.0 21.0		CL	Soft olive-brown lean CLAY (CL), 50% silt, mps <1 mm, no structure, slight organic odor, moist, with shell fragments and occasional pockets of fine sand PID = 0.0/0.0 ppm					5	95				
20	3 3 4 3	S12 22	21.0 23.0			Similar to above PID = 0.0/0.0 ppm					5	95				
	3 2 3 3	S13 21	23.0 25.0		CL	S13 top 11.0 in.: Medium stiff gray lean CLAY (CL) with organics, mps <1 mm, no structure, slight organic odor, wet, with shell fragments, trace peat										
				24.0	OL/ PT	S13 bottom 10.0 in.: Medium stiff olive-brown ORGANIC CLAY interbedded with brown fibrous PEAT (OL/PT), mps <1 mm, distinct organic odor PID = 0.0/0.0 ppm						100				
25				25.0	OL/ PT	-ORGANIC DEPOSITS- PID = 0.0/0.0 ppm										

BOTTOM OF EXPLORATION 25.0 FT

Note: Borehole grouted to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q3

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q4

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 9, 2010
Finish	June 9, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	15.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 10.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				14.8		-ASPHALT-										
	4 13 48	S1 14	0.4 2.0	0.4	SM	Medium dense gray silty SAND (SM), 10% brick, cinder, mps 1-3/8 in., bonded, no odor, moist PID = 0.0 ppm			25	30	20	25				
						-FILL-										
	100/4"	S2 6	2.0 4.0		SM	Similar to above except very dense Note: Drilled through coarse gravel from 2.3 to 4.0 ft. PID = 0.0 ppm			25	30	20	25				
						Note: Approximate former ground surface.										
	27 38 32 30	S3 10	4.0 6.0	11.2 4.0	SP	Very dense gray-brown poorly graded SAND with gravel (SP), mps 1-3/8 in., no structure, no odor, wet	5	5	15	35	40					
5						-FILL-										
	23 23 11 12	S4 8	6.0 8.0		SP	S4 top: Similar to above except dense PID = 0.0 ppm	5	5	15	35	40					
				8.2		Note: Approximate former ground surface.										
				7.0	CL	S4 bottom: Very stiff black lean CLAY with sand (CL), mps 5 mm, no structure, organic odor, moist PID = 0.0 ppm				10	5	85				
	2 4 5 5	S5 24	8.0 10.0		CL	Similar to above except stiff, gray PID = 0.0 ppm				5	10	85				
10	1 2 4 5	S6 24	10.0 12.0		CL	Similar to above except medium stiff PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
	5 5 5 7	S7 24	12.0 14.0		CL	Similar to above except stiff, frequent sand pockets PID = 0.0 ppm				5	10	85				
15	2 2 3 4	S8 24	14.0 16.0		CL	Similar to above except medium stiff PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/9/10		0.25	10.0	26.0	2.0

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. Q4

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q4

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 5 6 5	S9 10	16.0 18.0		CL	Similar to above except stiff PID = 0.0 ppm				5	10	85				
	4 4 5 7	S10 24	18.0 20.0		CL	Stiff black lean CLAY with sand (CL), mps 5 mm, no structure, organic odor, moist PID = 0.0 ppm				5	15	80				
20	7 7 11 7	S11 24	20.0 22.0		CL	Similar to above except very stiff PID = 0.0 ppm -HYDRAULIC FILL-				5	15	80				
	3 4 4 8	S12 24	22.0 24.0		CL	Similar to above except stiff PID = 0.0 ppm				5	15	80				
				-8.8 24.0												
25	4 6 7 5	S13 24	24.0 26.0		OL/ OH	Medium stiff gray ORGANIC SILT (OL/0H), trace peat, mps 5 mm, frequent sand partings, no odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-10.8 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q4

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q9

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 14, 2010
Finish	June 15, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0		-BITUMINOUS ASPHALT-										
				0.4		-CRUSHED CONCRETE-										
	16 35	S1 12	0.4 1.4	16.7	SM	S1 middle 7.0 in.: Dense olive-brown silty SAND (SM), crushed brick, 5% clay, mps 1.5 in., no structure, no odor, moist	5	5	10	15	40	25				
				0.7		Note: Approximate former ground surface.										
				16.1		-ASPHALT CAP-										
	36 43 58 120	S2 13	1.4 3.4	1.3 15.9	SM	S2: Drove through possible granite boulder. Four spoon-sized granite chips/pieces. PID = 1.3/1.3 ppm	5	5	15	15	50	20				
				1.5		S2 bottom 9.0 in.: Medium dense dark brown silty SAND (SM), trace cinders and ash, crushed brick, mps 1.5 in., no structure, no odor, moist										
	6 5 5 7	S3 12	3.4 5.4		SM	S3: Similar to above										
						-FILL-										
5	7 4 4 4	S4 8	5.4 7.4		SP-SM	Loose dark brown poorly graded SAND with silt and gravel (SP-SM), 20% cinders and ash, crushed brick, mps 1.0 in., no structure, no odor, moist PID = 1.4/1.4 ppm	5	10	15	30	30	10				
	4 5 5 7	S5 13	7.4 9.4		SP-SM	S5 top 7.0 in.: Similar to above										
				8.6												
				8.8	CL	S5 bottom 6.0 in.: Medium stiff olive-gray lean CLAY (CL), occasional silt partings, mps < 1 mm, no structure, no odor, wet					5	95				
10	1 2 2 2	S6 11	9.4 11.4		CL	S6: Soft olive-gray lean CLAY (CL), frequent pockets silt, mps 3 mm, no structure, no odor, wet PID = 1.4/1.4 ppm			5			95				
	2 2 2 2	S7 19	11.4 13.4		CL	Soft olive-gray lean CLAY (CL), frequent pockets of brown fibrous peat, pockets of silt, mps 0.25 in., no structure, no odor, wet		5			5	90				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.4
Rock Cored (ft)	-
Samples	S12

Boring No. Q9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q9

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 1 1	S8 24	13.4 15.4		CL	Soft olive-gray lean CLAY (CL), occasional silt partings, mps 0.75 in., no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5			5	90				
15																
	4 4 3 4	S9 13	15.4 17.4	1.6	CL	S9 top 4.0 in.: Similar to above					5	95				
				15.8	SP	S9 bottom 9.0 in.: Loose gray poorly graded SAND (SP), shell fragments, mps 0.5 in., no structure, no odor, wet -FILL-		5	5	40	40	10				
	5 3 4 4	S10 24	17.4 19.4		SP	Similar to above		5	5	40	40	10				
20	6 3 2 2	S11 5	19.4 21.4		SP	Loose poorly graded SAND (SP), shell fragments, pieces of glass, mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	5	35	50	5				
	2 2 4 2	S12 22	21.4 23.4		SP	S12 top 6.0 in.: Similar to above										
				-4.5 21.9	OL	S12 bottom 16.0 in.: Medium stiff olive-brown ORGANIC CLAY (OL), shell fragments, mps <1 mm, strong organic odor PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-6.0 23.4		BOTTOM OF EXPLORATION 23.4 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q9

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q10

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: PID malfunction; erratic readings

File No.	12486-515
Sheet No.	1 of 2
Start	June 16, 2010
Finish	June 17, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	17.6
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.1		-BITUMINOUS ASPHALT-										
				0.5		-CRUSHED CONCRETE-										
	12 10	S1 11	0.5 1.5	16.6 1.0	SC	S1 bottom 5.0 in.: Medium dense gray-green clayey SAND (SC), crushed brick, 10% silt, mps 1.0 in., no structure, no odor, moist	5	5	5	25	35	25				
	31 33 46 54	S2 13	1.5 3.5		SC	S2 top 7.0 in.: Similar to above except very loose										
						-FILL-										
				14.6		Note: Approximate former ground surface.										
				3.0		-ASPHALT CAP-										
	50 110/12"	S3 12	3.5 5.0	14.1 3.5		Note: Drove to 12.0 in. before hitting obstruction Very dense red-gray poorly graded SAND with gravel (SP), mps 0.75 in., no structure, no odor, moist Note: Driller ground through obstruction; grinding indicated slag.	5	10	10	35	35	5				
5																
	25 9 6 9	S4 12	5.5 7.5		SM	Medium dense brown silty SAND with gravel (SM), 1.5-in. piece of granite, mps 1.5 in., no structure, no odor, moist										
						-FILL-										
	3 3 4 4	S5 11	7.5 9.5		SP	S5 top 8.0 in.: Loose brown poorly graded SAND with gravel (SP), cinders and ash, crushed red brick, mps 0.75 in., no structure, no odor, moist	5	10	10	35	35	5				
				8.6 9.0	CL	S5 bottom 3.0 in.: Soft olive-gray lean CLAY (CL), 25% silt, mps <3 mm, no structure, no odor, wet			5		5	90				
10	1 2 2 1	S6 19	9.5 11.5		CL	Soft to medium stiff olive-gray lean CLAY (CL), trace organics, occasional silt seams, occasional fine sand partings, mps 0.75 in., no structure, no odor, wet	5				5	95				
	1 1 1 1	S7 24	11.5 13.5		CL	Similar to above	5				5	90				
						-HYDRAULIC FILL-										
15	2 2 2 2	S8 12	13.5 15.5		CL	Soft olive-gray lean CLAY (CL), little organics, trace peat, occasional fine sand partings, shell fragments, mps <1 mm, no structure, slight organic odor, wet					5	95				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.5
Rock Cored (ft)	-
Samples	S12

Boring No. Q10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q10

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/12"	S9	15.5		CL	Similar to above					5	95				
	1 1	8	17.5			-HYDRAULIC FILL-										
	2 2 3 7	S10 21	17.5 19.5		CL	S10 top 6.0 in.: Similar to above					5	95				
					ML	S10 mid 10.0 in.: Medium stiff olive-gray to gray SIL T(ML), shell fragments, 25% clay, fine sand partings, mps 0.5 in., no structure, slight organic odor, wet	5				5	90				
					SM	S10 bottom 5.0 in.: Medium dense gray silty SAND (SM), shell fragments, 10% clay, mps <1 mm, no structure, moist					70	30				
	3 2 3 2	S11 23	19.5 21.5		SM	S11 top 8.0 in.: Similar to above				20	50	30				
20					CL	S11 bottom 15.0 in.: Soft to medium stiff gray to olive-gray lean CLAY (CL), 40% silt, occasional pockets of peat, mps <1 mm, no structure, distinct organic odor, wet					5	95				
	3 2 2 1	S12 23	21.5 23.5		OL	S12 top 11.0 in.: Soft to medium stiff olive-brown ORGANIC CLAY (OL), mps <1 mm, distinct organic odor					5	95				
				-4.9 22.5	PT	S12 bottom 12.0 in.: Brown fibrous PEAT (PT)						100				
						-ORGANIC DEPOSITS-										
				-5.9 23.5		BOTTOM OF EXPLORATION 23.5 FT										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 15, 2010
Finish	June 15, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	17.9
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-ASPHALT-										
	5 21 33 120/2"	S1 11	0.5 2.0	0.4	SM	Dense olive-gray silty SAND (SM), trace brick, mps 0.5 in., bonded, no odor, moist PID = 0.0 ppm		5	15	30	30	20				
	120/2"	S2 2	2.0 4.0		SM	Similar to above except very dense Note: Drilled through granite cobbles from 2.2 to 4.0 ft. PID = 0.0 ppm		5	15	30	30	20				
						-FILL-										
5	16 22 13 15	S3 12	4.0 6.0		SM	Dense brown silty SAND (SM), mps 1.0 in., no structure, fuel oil-like odor, wet PID = 27.6 ppm			20	20	45	15				
	10 3 7 7	S4 10	6.0 8.0	11.4	SM	S4 top: Similar to above except medium dense PID = 19.7 ppm			20	20	45	15				
				6.5	CL	Note: Approximate former ground surface. S4 bottom: Stiff olive-gray lean CLAY with sand (CL) in occasional partings, mps 5 mm, no odor, moist				5	10	85				
	2 2 2 3	S5 16	8.0 10.0		OL/OH	Soft gray ORGANIC SILT (OL/OH), trace peat, occasional partings, mps 5 mm, no odor, wet PID = 0.0 ppm					5	95				
10	2 2 3 4	S6 17	10.0 12.0		OL/OH	Similar to above except medium stiff, trace shell PID = 0.0 ppm					5	95				
	2 2 3 3	S7 16	12.0 14.0		OL/OH	Similar to above PID = 0.0 ppm					5	95				
						-HYDRAULIC FILL-										
15	2 2 2 2	S8 10	14.0 16.0		OL/OH	Similar to above except soft PID = 0.0 ppm					5	95				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/15/10		0.25	15.0		5.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. Q13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q13

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	6 4 3 3	S9 20	16.0 18.0		OL/ OH	Similar to above except medium stiff, occasional sandy clay pockets PID = 0.0 ppm					5	95				
	2 2 2 2	S10 24	18.0 20.0		OL/ OH	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-					5	95				
20	1 2 2 2	S11 24	20.0 22.0		OL/ OH	S11 top: Similar to above PID = 0.0 ppm					5	95				
				-3.6 21.5	PT- OL/ OH PT	S11 bottom: Soft dark brown PEAT (PT) interbedded with layers of ORGANIC SOIL (OL/OH), mps 4 mm, no structure, organic odor, moist					5	95				
	1 2 3 4	S12 24	22.0 24.0			S12: Similar to above except medium stiff -ORGANIC DEPOSITS-					5	95				
				-6.1 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 15, 2010
Finish	June 16, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	17.9
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-ASPHALT-										
	6 14 24	S1 11	0.5 2.0	0.4	ML	Medium dense olive sandy SILT (ML), trace brick, mps 0.5 in., bonded, no odor, moist PID = 0.0 ppm		5	10	10	10	65				
	60 82 100/2"	S2 8	2.0 4.0	15.9 2.0	SP	Very dense light brown poorly graded SAND (SP), mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm		5	50	20	25					
	39 56 29 17	S3 6	4.0 6.0		SP	Similar to above except fuel oil-like odor PID = 31.0 ppm										
5						-FILL-										
	8 6 6 3	S4 4	6.0 8.0		SP	Similar to above except medium dense PID = 28.5 ppm										
				9.9		Note: Approximate former ground surface.										
	2 2 2 2	S5 20	8.0 10.0	8.0	OL/OH	Soft black ORGANIC SILT with sand (OL/OH), mps 5 mm, no structure, faint fuel oil-like odor, wet PID = 8.4 ppm				5	10	85				
10	2 2 3 2	S6 8	10.0 12.0		OL/OH	Similar to above except medium stiff, trace shells, no odor PID = 0.0 ppm				5	10	85				
	2 2 2 3	S7 10	12.0 14.0		OL/OH	Similar to above except soft PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
15	1 2 2 16	S8 21	14.0 16.0		OL/OH	Similar to above except trace wood PID = 0.0 ppm				5	10	85				
	8 6 4 3	S9 24	16.0 18.0		OL/OH	Similar to above except stiff, occasional sandy clay pockets PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/16/10		0.25	15.0	27.0	4.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.0
Rock Cored (ft)	-
Samples	S11

Boring No. Q14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 4 4	S10 9	18.0 20.0		OL/ OH	Similar to above except medium soft PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
20	4 3 5 4	S11 24	20.0 22.0	-2.1 20.0	OL/ OH	Medium stiff gray ORGANIC SILT (OL/OH), mps 4 mm, no structure, no odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-4.1 22.0		BOTTOM OF EXPLORATION 22.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 16, 2010
Finish	June 17, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	18.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-ASPHALT-										
	18 25 115	S1 12	0.5 2.0	0.5	SM	Very dense gray-brown silty SAND with gravel (SM), trace brick, plastic, cinders, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	15	15	35	20				
				16.0		-FILL-										
				2.0		-RUBBLE FILL-										
				15.2												
	23 25	S2 6	3.0 4.0	2.8	SM	Similar to above except dense, 5% brick and wood PID = 0.0 ppm	5	10	15	15	35	20				
	29 30 30 29	S3 20	4.0 6.0		SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, gasoline-like odor, moist, slight sheen PID = 23.4 ppm	5	10	15	25	35	10				
5						-FILL-										
	14 8 4 5	S4 16	6.0 8.0		ML	Medium dense olive-gray with brown sandy SILT with gravel (ML), trace ash, cinders, wood, mps 0.5 in., no structure, faint petroleum-like odor, wet Note: Clay in tip of spoon. PID = 13.8 ppm	10	5	10	10	10	55				
				10.5 7.5												
	8 6 2 3	S5 18	8.0 10.0		CL	Medium stiff gray with brown lean CLAY with sand (CL), trace organic soil, mps <2 mm, no odor, wet, reworked PID = 0.0 ppm				5	15	80				
10	1 1 1 1	S6 24	10.0 12.0		CL	Similar to above except soft, trace wood, cinder, brick, shells PID = 0.0 ppm				10	15	75				
						-HYDRAULIC FILL-										
	3 3 2 3	S7 24	12.0 14.0		CL	Medium stiff brown with gray sandy lean CLAY (CL), mps <5 mm, no odor, wet, reworked PID = 0.0 ppm				10	20	70				
15	1 1/12" 1	S8 24	14.0 16.0		OL/OH	Very soft brown with gray ORGANIC SOIL with sand (OL/OH) intermixed with lean clay, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm					20	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/17/10	0852	0.25	19.0	26.0	5.2*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. Q15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. Q15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 4 6 9	S9 24	16.0 18.0		OL/ OH	Similar to above except stiff PID = 0.0 ppm					20	80				
	4 6 6 15	S10 6	18.0 20.0		CL	Stiff gray with brown lean CLAY with sand (CL) intermixed with organic soil, mps <2 mm, no odor, wet, reworked PID = 0.0 ppm					15	85				
20	6 6 4 5	S11 6	20.0 22.0		CL	Similar to above -HYDRAULIC FILL-										
	3 3 4 4	S12 14	22.0 24.0		OL/ OH	Medium stiff gray-brown ORGANIC SOIL (OL/OH), trace peat, brick, mps <2 mm, no structure, organic odor, wet PID = 0.0 ppm					5	95				
	8 6 8 7	S13 10	24.0 26.0	-6.0 24.0	PT	Stiff brown PEAT (PT) interbedded with gray-brown organic soil, mps <1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-8.0 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. Q15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R3(OW)

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	July 7, 2010
Finish	July 8, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	14.6
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Drive to 15.0 ft
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-BITUMINOUS ASPHALT-										
	18 15 19	S1 12	1.0 2.5	13.6 1.0	SM	Medium dense dark brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, with wood fragments PID = 0.0/0.0 ppm		15	5	25	35	20				
	11 13 10 14	S2 14	2.5 4.5		SM	Medium dense dark brown silty SAND (SM) intermixed with tan, mps 0.5 in., no structure, no odor, moist, with wood fragments and crushed brick PID = 0.0/0.0 ppm -FILL-		5	5	25	40	25				
	13 15 10 8	S3 12	4.5 6.5			S3 top: Similar to above except mps 0.75 in., with glass fragments		10	5	30	30	25				
5				9.1 5.5	SP	S3 bottom 10.0 in.: Medium dense gray brown poorly graded SAND with gravel (SP), mps 1.0 in., 30% cinders and ash, no structure, smoky odor, moist, with crushed brick and glass PID = 0.0/0.0 ppm	5	10	35	35	10	5				
	21 14 6 4	S4 14	6.5 8.5		SP	Similar to above except mps 0.75 in., with slag PID = 0.0/0.0 ppm -FILL-		10	40	35	10	5				
	2 2 1 2	S5 14	8.5 10.5		SP	Very loose black poorly graded SAND (SP), 60% CINDERS and ASH, mps 0.5 in., no structure, smoky odor, wet, with glass		10	50	35	5					
10																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S12

Boring No. R3(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R3(OW)

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 1 1	S6 3	10.5 12.5				S6 top 2.0 in.: Similar to above PID = 0.0/0.0 ppm -FILL-										
					2.2 12.4	ML ML/ CL	S6 bottom 1.0 in.: Very loose gray SILT (ML), mps <1 mm, no structure, no odor, wet, with shell fragments PID = 0.0/0.0 ppm		5		5	10 5	90 85				
	2 2 1 2	S7 0	12.5 14.5				S7: Note: No recovery. Overdrove 3-in. spoon. Very loose gray SILT (ML) interbedded with soft olive-gray lean CLAY (CL), mps 0.5 in., no structure, no odor, with shell fragments, wood fragments and glass PID = 0.0/0.0 ppm										
15	2 2 3 2	S8 13	14.5 16.5			ML CL	S8 top: Loose olive-brown SILT (ML), mps <1 mm, no structure, no odor, moist, 15% clay, with shell fragments and fine sand partings, with wood fragments, trace peat PID = 0.0/0.0 ppm S8 bottom 4.0 in.: Medium stiff olive-gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet, high silt content, with shell fragments, trace organics PID = 0.0/0.0 ppm				5	5 5	90 95				
	6 4 6 5	S9 15	16.5 18.5			CL	Similar to above with little organics PID = 0.0/0.0 ppm -HYDRAULIC FILL-					5	95				
20	1 1 2 2	S10 17	18.5 20.5			CL/ ML	Soft gray lean CLAY (CL) intermixed with black SILT (ML), mps <1 mm, no structure, slight organic odor, moist to wet, with shell fragments and fine sand partings					10	90				
	2 2 2 2	S11 20	20.5 22.5			CL/ ML	Similar to above, soft PID = 0.0/0.0 ppm					5	95				
	2 2 2 2	S12 22	22.5 24.5			CL/ ML	S12 top: Similar to above, shell fragments more frequent, trace peat PID = 0.0/0.0 ppm					10	90				
					-8.9 23.5	OL	S12 bottom 12.0 in.: Soft to medium stiff olive-brown ORGANIC SILT (OH), occasional pockets of peat, with shell fragments PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95				
					-9.9 24.5		BOTTOM OF EXPLORATION 24.5 FT Note: Observation well installed upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R3(OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R4

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 4
Start	June 28, 2010
Finish	June 29, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	15.8
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NX
Inside Diameter (in.)	4/3	1 3/8	2.0
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW to 49 ft; HW to 29 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.3 / 0.5		-ASPHALT-										
	30 47	S1 6	0.8 1.8		SM	Very dense dark brown silty SAND (SM), mps 0.5 in., no structures, no odor, moist PID = 0.0 ppm	5	5	10	15	45	20				
	78 100/5"	S2 10	1.8 2.7		SM	Similar to above, trace brick PID = 0.0 ppm	5	5	15	20	30	20				
	49 43 42 19	S3	3.8 5.8		SM	Similar to above except gray brown PID = 0.0 ppm -FILL-	5	5	15	20	30	20				
5	13 6 6 7	S4 12	5.8 7.8		SM	Similar to above except medium dense, 1.5-in. diameter piece of gravel in tip of spoon PID = 0.0 ppm	5	5	10	10	40	30				
	2 3 5 6	S5 3	7.8 9.8	8.0 / 7.8	CL	Medium stiff gray lean CLAY (CL), mps <5 mm, reworked, no odor, wet PID = 0.0 ppm					10	90				
10	2 4 6 6	S6 6	9.8 11.8		CL	Stiff gray with brown lean CLAY with san d(CL), mps 2.5 in., reworked, no odor, wet, trace shells, wood, organic soil PID = 0.0 ppm -HYDRAULIC FILL-				10	15	75				
	5 4 4 4	S7 20	11.8 13.8		OL/OH	Medium stiff brown ORGANIC SOIL (OL/OH), mps 5 mm, reworked, no odor, wet, trace shells, lean clay, primarily silt PID = 0.0 ppm					10	90				
15	WOR 4 2 4	S8 18	13.8 15.8		OL/OH	Similar to above PID = 0.0 ppm					10	90				
	3 3 3 3	S9 24	15.8 17.8		ML	Loose gray brown with brown SILT (ML), mps 5 mm, reworked intermixed with lean clay and organic soil, no odor, wet, trace shells PID = 0.0 ppm					10	90				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/28/10	1130	0.5	24.0	24.0	4.3
6/29/10	1345	1.0	49.0	68.5	12.7

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	49.0
Rock Cored (ft)	19.5
Samples	S17, C4

Boring No. R4

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R4

File No. 12486-515
Sheet No. 2 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 3 3	S10 24	17.8 19.8		CL	Soft gray lean CLAY with sand (CL), mps 5 mm, reworked, no odor, wet, trace shells PID = 0.0 ppm -HYDRAULIC FILL-					10	90				
20	9 6 7 6	S11 24	19.8 21.8		OL/ OH	Stiff brown with gray ORGANIC SOIL (OL/OH), mps <1 mm, occasional pockets of PEAT, strong organic odor, wet PID = 0.0 ppm					10	90				
	4 6 10 10	S12 6	21.8 23.8	-6.0 21.8	OL/ OH	Very stiff dark brown ORGANIC SOIL (OL/OH), mps <1 mm, occasional pockets of PEAT, strong organic odor, wet PID = 0.0 ppm						100				
25	2 2 2 4	S13 24	24.0 26.0		OL/ OH	Soft gray with brown ORGANIC SOIL (OL/OH), mps <1 mm, occasional pockets of PEAT, strong organic odor, wet, trace shells PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
30	8 13 25 18	S14 20	29.0 31.0	-13.2 29.0	CL	Hard gray sandy lean CLAY with gravel (CL), mps 0.5 in., bonded, no odor, wet, 20% silt PID = 0.0 ppm -GLACIOMARINE DEPOSITS-	5	10	5	5	15	60				
35	42 28 32 43	S15 8	34.0 36.0		CL	Similar to above except very dense, poor recovery due to probable pushed gravel PID = 0.0 ppm	5	10	5	5	15	60				
40	41 49 44 45	S16 20	39.0 41.0	-21.7 37.5	ML	Very dense olive sandy SILT with gravel (ML), mps 1 in., well bonded, occasional partings of medium to fine sand, no odor, wet, trace clay PID = 0.0 ppm -GLACIAL TILL-	5	10	5	5	20	55	R		N	

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R4

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R4

File No. 12486-515
Sheet No. 3 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	38 100/3"	S17 6	44.0 44.8	-29.0 44.8	ML	Similar to above PID = 0.0 ppm TOP OF BEDROCK 44.8 FT Note: Advanced borehole to 49.0 ft with roller bit. Rig chatter from 44.8 to 49.0 ft. -BEDROCK- SEE CORE BORING REPORT FOR ROCK DETAILS	10	10	10	5	10	55				
45																
50																
55																
60																
65																

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R4

HALEY & ALDRICH

CORE BORING REPORT

Boring No. R4
File No. 12486-515
Sheet No. 4 of 4

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
	5	C1	49.0 54.0	60 8	100 13	Slight		Moderately hard slightly to moderately weathered gray aphanitic ARGILLITE. Bedding dipping at low angle. Low angle joints parallel to bedding, very close, smooth, planar, discolored to slightly decomposed, tight to open. Vertical joints close, rough, stepped, discolored to slightly decomposed, open to healed, highly fractured, moderately weathered zone from 52.0 to 54.0 ft.
50	3							
	3							
	5					Moder-ate		
	6							-BEDROCK-
	5	C2	54.0 58.5	54 14	100 26	Slight		Same rock type as above. Low angle joints close, smooth, planar, discolored with occasional calcification on joint surfaces, tight to open. Vertical joints moderately close, rough, stepped, discolored with occasional calcification on joint surface, open to healed. Barrel jammed at 58.5 ft.
55	4							
	4							
	4							
	10							
	5	C3	58.5 63.5	60 9	100 15	Slight		Same rock type as above. Low angle joints very close to close. Vertical joints close, highly fractured. Moderately weathered zone from 60.0 to 61.0 ft consisting of intersecting low angle and vertical joints.
	4							
60						Moder-ate		
	3							
						Slight		
	3.5							
	3.5							
	3	C4	63.5 68.5	60 20	100 33	Moder-ate		Same rock type as above. Highly fractured zone from 63.5 to 65.0 ft consisting of intersecting low angle and vertical joints.
	3					Slight		
65								
	3							
	3							
	3							
							-52.7 68.5	BOTTOM OF EXPLORATION 68.5 FT
								Note: Borehole grouted to surface upon completion.
70								

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R5

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 10, 2010
Finish	June 10, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	16.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 10.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: PID not used due to rain

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.5		-ASPHALT-										
				0.5		Note: Advanced borehole to 1.0 ft through crushed concrete.										
	74 80	S1 12	1.0 2.0		SW-SM	Very dense gray well-graded SAND with silt and gravel (SW-SM), trace brick, concrete, mps 1.0 in., no structure, no odor, wet	5	10	15	20	40	10				
	74 65 86 50	S2 16	2.0 4.0		SW-SM	Similar to above	5	10	15	20	40	10				
						-FILL-										
	13 6 9 31	S3 8	4.0 6.0		SC	Medium dense gray to black clayey SAND with gravel (SC), trace cinders, brick, mps 1.0 in., no structure, no odor, wet	5	10	15	20	20	30				
5						Note: Approximate former ground surface.										
				10.0 6.0												
	53 17 9 8	S4 20	6.0 8.0		CL	Very stiff gray lean CLAY with sand (CL), occasional pocket coarse to fine sand and gravel, mps 1.0 in., no odor, wet			5	10	10	75				
	5 2 3 3	S5 20	8.0 10.0		CL	Similar to above except medium stiff				5	10	85				
						-HYDRAULIC FILL-										
10	3 7 6 6	S6 24	10.0 12.0		CL	Similar to above except stiff			5	5	15	75				
	4 3 4 5	S7 24	12.0 14.0		ML	Loose gray SILT (ML) interbedded with clay and occasional pockets of brown organic soil, mps <5 mm, no odor, wet, reworked 40% clay					10	90				
15	3 4 4 5	S8 24	14.0 16.0		CL	Medium stiff gray lean CLAY (CL), pockets of organic soil and silt, mps <2 mm, no odor, wet, reworked					10	90				
	7 7 8 7	S9 24	16.0 18.0		ML	Medium dense gray sandy SILT (ML), occasional laminae of organic soil, mps <2 mm, weak layering, organic odor, wet, appears reworked					30	70	R			

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/10/10	1200	0.25	10.0	26.0	3.4*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. R5

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R5

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 2	S10 24	18.0 20.0		ML	Similar to above except loose -HYDRAULIC FILL-					30	70	R			
20	5 6 6 6	S11 24	20.0 22.0		ML	Medium dense gray SILT with sand (ML), clumps of organic soil throughout, mps < 1 mm, no odor, wet reworked and disturbed					20	80	R			
	6 11 10 10	S12 24	22.0 24.0		OL/ OH	Very stiff gray-brown sandy ORGANIC SOIL (OL/OH), mps < 2 mm, organic odor, wet, reworked					30	70				
				-8.0 24.0												
25	10 7 8 14	S13 24	24.0 26.0		OL/ OH	Stiff gray ORGANIC SOIL (OL/OH), occasional pockets of peat, trace shells, mps < 1 mm, strong organic odor, wet -ORGANIC DEPOSITS-						100				
				-10.0 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R5

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R6

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 9, 2010
Finish	June 9, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	16.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.0 / 0.4		-ASPHALT-										
	38 85 64 19	S1 16	0.4 2.4		ML	Very dense gray-brown to dark brown sandy SILT with gravel (ML), mps 1.0 in., no structure, no odor, dry PID = 0.0 ppm	5	10	5	5	25	50				
						-FILL-										
	22 24 30 31	S2 14	2.4 4.4		SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), trace cinder, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	20	30	25	10				
				12.0 / 4.4		Note: Approximate former ground surface.										
5	6 4 4 6	S3 18	4.4 6.4		CL	Medium stiff olive-gray lean CLAY with sand (CL), mps <5 mm, frequent pockets and partings of fine sand, no odor, wet PID = 0.0 ppm					20	80				
	6 5 5 5	S4 24	6.4 8.4		CL	Stiff olive-gray with brown and black sandy lean CLAY (CL), trace organics, wood, mps 0.5 in., no odor, wet, reworked PID = 0.0 ppm			5	5	20	70				
	1 1 4 6	S5 24	8.4 10.4		CL	Medium stiff olive-gray to black lean CLAY with sand (CL), trace cinders, mps 5 mm, faint organic odor, wet, reworked PID = 0.0 ppm				5	15	80				
10	4 3 2 4	S6 20	10.4 12.4		CL	Medium stiff olive-gray lean CLAY with sand (CL), mps <5 mm, frequent pockets of fine sand, no odor, wet PID = 0.0 ppm					20	80				
	5 5 4 6	S7 24	12.4 14.4		CL	Stiff olive-gray to brown sandy lean CLAY (CL), mps 5 mm, frequent pockets of fine sand, clumps of brown organic soil, faint organic odor, wet, reworked PID = 0.0 ppm					30	70				
15	2 2 2 3	S8 20	14.4 16.4		CL	Similar to above except soft PID = 0.0 ppm					30	70				
						-HYDRAULIC FILL-										
	4 5 7 11	S9 20	16.4 18.4		SM	Medium dense brown to gray-brown silty SAND (SM), trace shells, mps <5 mm, occasional partings of organic soil, weak layering, faint organic odor, wet, disturbed PID = 0.0 ppm					55	45	R			

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/9/10	1500	0.25	18.0	24.4	2.4*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.4
Rock Cored (ft)	-
Samples	S12

Boring No. R6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R6

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 4 4 5	S10 24	18.4 20.4		SM	Similar to above except loose, trace plant fibers PID = 0.0 ppm -HYDRAULIC FILL-					60	40	R			
	4 6 6 6	S11 24	20.4 22.4	-4.0 20.4	ML	Medium dense brown to brown-gray silty SAND (SM), trace plant fibers, mps 5 mm, frequent laminae of brown organic soil, organic odor, wet PID = 0.0 ppm -MARINE DEPOSITS-					40	60	R			
	5 4 3 5	S12 20	22.4 24.4		ML	Similar to above except loose, 5% shell fragments PID = 0.0 ppm Note: Submitted R6-S11-20.4 to 22.4 ft to lab for confirmatory sample. Did not submit a second sample from 22.4 to 24.4 ft.					35	65	R			
				-8.0 24.4		BOTTOM OF EXPLORATION 24.4 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R6

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R13(OW)

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 1
Start	July 6, 2010
Finish	July 8, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	See Plan - 5.0 ft S of R13-A

	Casing	Sampler	Barrel
Type	HW/NW	S	NX
Inside Diameter (in.)	4	1 3/8	2
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing:
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0							UNSAMPLED SEE TEST BORING LOG R13-A FOR OVERBURDEN DETAILS										
5																	
10																	
15																	
					-0.5 18.0		BOTTOM OF EXPLORATION 18.0 FT Note: Observation well installed upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	18.0
Rock Cored (ft)	-
Samples	-

Boring No. R13(OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R13-A

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 4
Start	July 6, 2010
Finish	July 8, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	NX
Inside Diameter (in.)	4	1 3/8	2
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME-75 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Spun to 50.0 ft; HW Drive/Spun to 24.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0		-ASPHALT-										
				0.5		-CONCRETE / RUBBLE FILL-										
				16.2												
	100/3"	S1 3	1.5 1.8	1.3 15.7 1.8	SW-SM	Very dense gray well graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist Note: Concrete in tip of spoon. PID = 0.0/0.0 ppm -FILL-	10	10	20	30	20	10				
						-CONCRETE OBSTRUCTION-										
				13.6												
	14 9 6	NR 0	4.0 5.5	3.9		Note: No recovery; two pieces course GRAVEL in tip of spoon. -FILL-										
5	10 4 3 2	S2 16	5.5 7.5		SM	Loose gray-brown silty SAND (SM), mps 0.5 in, no structure, faint petroleum odor, wet, trace cinders, brick PID = 0.0/0.7 ppm		5	5	10	45	35				
				10.0												
	1 1 2 2	NR 0	7.5 9.5	7.5		Note: No recovery; residue on spoon of lean clay.										
10	1/18" 1	S3 4	9.5 11.5		OL/OH	Very soft brown with gray ORGANIC SOIL with sand (OL-OH), mps 0.25 in., intermixed with lean clay, reworked, no odor, wet, trace wood PID = 0.0/0.4 ppm -HYDRAULIC FILL-		5	5	5	10	75				
	WOH/24"	S4 24	11.5 13.5		OL/OH	Similar to above PID = 0.0/0.0 ppm					15	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
7/7/2010	0649	16.0	24.0	26.0	3.2*
7/7/2010	13:00	0.5	50.0	55.0	10.8
7/8/2010	00:15	0.5	50.0	70.0	13.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	50.0
Rock Cored (ft)	20.0
Samples	S15, C4

Boring No. R13-A

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R13-A
File No. 12486-515
Sheet No. 2 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/18" 1	S5 10	13.5 15.5		CL	Very soft gray lean CLAY (CL), mps 0.25 in., reworked, intermixed with ORGANIC SOIL, no odor, wet PID = 0.0/0.0 ppm					10	90				
15																
	WOH/18" 4	S6 24	15.5 17.5		OL/ OH	Similar to S4 PID = 0.0/0.0 ppm -HYDRAULIC FILL-					20	80				
	WOH/18" 2	S7 24	17.5 19.5		OL/ OH	Similar to above PID = 0.0/0.0 ppm					15	85				
20	WOH/18" 1	S8 10	19.5 21.5		OL/ OH	Similar to above, organic odor PID = 0.0/0.0 ppm					15	85				
				-4.0 21.5												
	WOH/12" 2 3	S9 24	21.5 23.5		OL/ OH	Very soft gray to gray-brown ORGANIC SOIL (OL-OH), mps <1 mm, occasional pockets of PEAT, strong organic odor, trace shells PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
	WOH/24"	S10 24	24.0 26.0		OL/ OH	Similar to above PID = 0.0/0.0 ppm						100				
25																
				-11.5 29.0												
	1 2 3 5	S11 20	29.0 31.0		CL	Medium stiff gray sandy lean CLAY (CL), mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm -MARINE DEPOSITS- Note: Drill action indicates stratum change at approximately 32.0 ft.	5	5	5	5	15	65				
30																
				-14.5 32.0		-GLACIAL TILL-										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R13-A
File No. 12486-515
Sheet No. 3 of 4

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
35	15 16 27 35	S12 24	34.0 36.0		ML	Dense light brown-gray sandy SILT with gravel (ML), mps 1.0 in., bonded, no odor, moist PID = 0.0/0.0 ppm	5	10	5	5	20	55				
						-GLACIAL TILL-										
40	16 18 15 17	S13 3	39.0 41.0		ML	Similar to above Note: Poor recovery due to 1.5-in. piece of gravel lodged in spoon tip. PID = 0.0/0.0 ppm	5	10	5	5	20	55				
45	7 6 11 12	S14 2	44.0 46.0		CL	Stiff gray sandy lean CLAY with gravel (CL), mps 0.5 in., no structure, no odor, wet. Probable pushed gravel. PID = 0.0/0.0 ppm		15	5	10	10	60				
				-30.5 48.0		Note: Drill action indicates top of bedrock at 48.0 ft. TOP OF BEDROCK 48.0 FT										
50	100/2"	S15 2	49.0 49.2		GW	Very dense gray well graded GRAVEL (GW), mps 1.0 in., no structure, no odor, wet. Recovery consists entirely of weathered ARGILLITE. SEE CORE BORING REPORT FOR ROCK DETAILS										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R13-A

HALEY & ALDRICH

CORE BORING REPORT

Boring No. R13-A
File No. 12486-515
Sheet No. 4 of 4

Depth (ft)	Drilling Rate (min./ft)	Run No.	Run Depth (ft)	Recovery/RQD in.	Recovery/RQD %	Weath-ering	Elev./ Depth (ft)	Visual Description and Remarks
								SEE TEST BORING REPORT FOR OVERBURDEN DETAILS
50	4	C1	50.0 55.0	60 35	100 58	Slight Moderate Slight		Moderately hard, slightly to moderately weathered gray, aphanitic ARGILLITE. Bedding very thin, dipping at low angles. Low angle joints dipping parallel to bedding close, rough to smooth planar, discolored to moderately open. Vertical joints close, rough, stepped, discolored to moderately weathered with occasional calcification on joint surface. Healed to open. Highly fractured, moderately weathered zone from 51.0 to 52.5 ft.
	4							
	4							
	3							-BEDROCK-
	4.5							
55	2.5	C2	55.0 60.0	59 53	98 88	Slight		Same rock type except only slightly weathered. Low angle joints close to moderately close, smooth, planar, discolored, tight. Single healed vertical joint from 55.0 to 55.5 ft.
	3							
	3							
	3							
	3							
60	2	C3	60.0 65.0	60 52	100 87	Slight		Same rock type, slightly weathered, low angle, joints moderately spaced, smooth planar, discolored, tight
	3.5							
	3.5							
	3.5							
	3							
65	3	C4	65.0 70.0	60 29	100 48	Slight		Same rock type, low angle joints very close to close, smooth planar, discolored, open to healed, vertical joints close, rough, stepped, discolored, open to healed with calcite infilling. Recovery increasingly fractured from 68.0 to 70.0 ft.
	3.5							
	3							
	4							
	5							
70							-52.5 70.0	BOTTOM OF EXPLORATION 70.0 FT
								Note: Borehole grouted to surface upon completion. Moved rig 5.0 ft south and installed observation well, unsampled.
								WOH = Weight of Hammer
								Water Level: *Not stabilized.
75								

H+A_CORE+WELL07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 16, 2010
Finish	June 16, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.5
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Acker Scout Track
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.0		-ASPHALT-										
				0.5		-PROBABLE CONCRETE-										
				16.3												
	7 100/5"	S1 8	1.5 2.4	1.2	SW-SM	Very dense gray-brown well-graded SAND with silt (SW-SM), mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm	5	5	20	30	30	10				
	41 35 32 23	S2 10	3.5 5.5		SM	Very dense brown silty SAND with gravel (SM), trace brick, cinders, metal, mps 1.0 in., no structure, faint petroleum-like odor, slight sheen PID = 2.6 ppm	5	10	10	20	35	20				
5	25 12 12 15	S3 12	5.5 7.5		SM	Similar to above except medium dense PID = 0.5 ppm	5	10	10	20	35	20				
						-FILL- Note: Approximate former ground surface.										
	10 8 10 19	S4 4	7.5 9.5	10.0 7.5	CL	Very stiff olive-gray sandy lean CLAY (CL), mps 0.25 in., no odor, moist, reworked PID = 0.0 ppm	5	5	5	5	20	60				
10	13 6 6 6	S5 6	9.5 11.5		CL	Similar to above except stiff PID = 0.0 ppm		5	5	5	20	65	N			
						-HYDRAULIC FILL-										
	5 5 6 5	S6 6	11.5 13.5		CL	Similar to above PID = 0.0 ppm		5	5	5	20	65	N			
	1 2 3 5	S7 12	13.5 15.5		OL/OH	Medium stiff brown with gray ORGANIC SOIL with sand (OL/OH) intermixed with lean clay, trace wood, shells, mps 0.25 in., no odor, wet PID = 0.0 ppm			5	5	10	80				
15	1 4 2 5	S8 20	15.5 17.5		OL/OH	Similar to above PID = 0.0 ppm				5	15	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/16/10	1130	0.25	19.0	25.5	6.4*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.5
Rock Cored (ft)	-
Samples	S12

Boring No. R14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. R14

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOR 1 5 7	S9 2	17.5 19.5		OL/OH	Similar to above WOR = Weight of Rod PID = 0.0 ppm -HYDRAULIC FILL-				5	15	80				
20	9 3 4 8	S10 12	19.5 21.5		ML	Loose brown SILT (ML) intermixed with trace clay and organic soil, mps <2 mm, no odor, wet, disturbed PID = 0.0 ppm					10	90				
				-4.0 21.5												
	1 4 2 5	S11 24	21.5 23.5		OL/OH	Medium stiff brown ORGANIC SOIL (OL/OH), trace plant fibers, shells, mps <1 mm, no structure, strong organic odor, wet PID = 0.0 ppm						100				
25	10 6 7 7	S12 24	23.5 25.5		OL/OH	Similar to above except stiff, frequent pockets of peat PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-8.0 25.5		BOTTOM OF EXPLORATION 25.5 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R15

Project: BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client: MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor: GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-515
Sheet No. 1 of 2
Start June 14, 2010
Finish June 14, 2010
Driller D. Sheldon
H&A Rep. B. Babcock
Elevation 17.5
Datum BCB
Location See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0				17.0		-ASPHALT-										
	7 66	S1 6	0.5 1.5	0.5	SW	Very dense light gray-brown well-graded SAND with silt and gravel (SW-SM), trace brick, mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm	5	10	25	25	25	10				
	51 100/5"	S2 8	1.5 2.4		SW	Similar to above PID = 0.0 ppm	5	10	25	25	25	10				
				15.1 2.4		-FILL-										
				14.4 3.1		-RUBBLE FILL-										
	14 26 15 34	S3 10	3.5 5.5		SM	Dense brown silty SAND with gravel (SM), trace cinder, ash, brick, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	5	10	15	15	30	25				
5						-FILL-										
	36 11	S4 6	5.5 6.5		SM	Similar to above except petroleum-like odor PID = 13.9 ppm	5	10	15	15	30	25				
				11.0 6.5		Note: Approximate former ground surface.										
	5 5	S4A 6	6.5 7.5		CL	Stiff gray with brown sandy lean CLAY (CL), mps 0.5 in., no structure, petroleum-like odor, wet, reworked PID = 11.4 ppm		5	5	5	20	65				
	3 2 7 8	S5 10	7.5 9.5		CL	Similar to above PID = 3.2 ppm		5	5	5	20	65				
						-HYDRAULIC FILL-										
10	1 1 1 2	S6 3	9.5 11.5		CL	Similar to above except soft, no petroleum-like odor PID = 0.0 ppm				5	25	70				
	5 3 3 5	S7 14	11.5 13.5		CL	Medium stiff gray-brown lean CLAY with sand (CL), trace organic soil, cinders, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm					20	80				
15	1 1 1 2	S8 24	13.5 15.5		OL/OH	Soft dark brown sandy ORGANIC SOIL (OL/OH), mps <5 mm, faint organic odor, wet, disturbed PID = 0.0 ppm					30	70				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/14/10	1243	0.5	19.0	23.5	4.2*

*Not stabilized

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.5
Rock Cored (ft) -
Samples S13

Boring No. R15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 4 4	S9 24	15.5 17.5		CL	Medium stiff gray-brown lean CLAY with sand (CL) intermixed with brown organic soil, trace shells, mps <5 mm, organic odor, wet, reworked PID = 0.0 ppm				5	20	75				
	1 1 4 4	S10 24	17.5 19.5		CL	Similar to above except trace cinders PID = 0.0 ppm -HYDRAULIC FILL-				5	20	75				
20	6 4 4 3	S11 24	19.5 21.5		CL	Similar to above except trace peat intermixed with silt PID = 0.0 ppm					25	75				
	4 6 6 7	S12 24	21.5 23.5		OL/ OH	Stiff brown ORGANIC SOIL (OL/OH) intermixed with gray lean clay, mps 5 mm, faint organic odor, wet, reworked PID = 0.0 ppm					5	95				
	6 7 5 5	S13 20	23.5 25.5	-6.0 23.5	PT	Stiff brown PEAT (PT), frequent laminae of organic soil, mps <1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-8.0 25.5		BOTTOM OF EXPLORATION 25.5 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. R15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S5

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 10, 2010
Finish	June 10, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	15.7
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 19.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: PID not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.1		-BITUMINOUS ASPHALT-										
				0.6		-CRUSHED CONCRETE-										
	38 47	S1 11	0.6 1.6	14.5	SM SP	S1 bottom: Dense dark brown silty SAND (SM), no structure, no odor, moist S2: Dense brown SAND with gravel (SP), crushed brick, wood fragments, mps 1.0 in., no structure, no odor, moist										
	12 16 16 17	S2 14	1.6 3.6	1.2		-FILL-										
	8 6 7 4	S3 15	3.6 5.6		SP	S3 top: Similar to above Note: Approximate former ground surface.										
5				10.7 5.0	CL	S3 bottom 6.0 in.: Soft olive lean CLAY (CL), mps 0.3 in., no structure, no odor, wet		5			5	90				
	4 6 9 10	S4 13	5.6 7.6		CL	S4: Stiff olive gray lean CLAY (CL), pocket of fine sand with organics, mps 1.0 in., no structure, no odor, wet		5			5	90				
	2 2 6 4	S5 8	7.6 9.6		CL	Medium stiff olive-gray organic CLAY (CL), mps 0.5 in., no structure, no odor, wet		5			5	90				
10	2 1 2 1	S6 24	9.6 11.6		CL	Soft olive-gray lean CLAY (CL), trace organics, occasional silt partings, mps 0.5 in., no structure, no odor, wet		5			5	90				
	1 2 2 2	S7 19	11.6 13.6		CL	Similar to above -HYDRAULIC FILL-		5			5	90				
15	1 2 2 1	S8 19	13.6 15.6		CL	Soft olive-gray lean CLAY (CL), fine sand parting, strip of leather, mps <1 mm, no structure, no odor, wet					5	95				
	1 1 1 1	S9 11	15.6 17.6		CL	Very soft olive lean CLAY (CL), 40% silt, broken shells, trace organics, mps <1 mm, no structure, no odor, wet					5	95				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.6
Rock Cored (ft)	-
Samples	S13

Boring No. S5

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S5

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/ 24"	S10 8	17.6 19.6		ML	Very soft gray SILT (ML), trace organics, broken shells, 10% clay, mps <1 mm, no structure, no odor, wet					10	90				
20	2 2 3 1	S11 17	19.6 21.6		ML	Medium stiff gray SILT (ML), broken shell, occasional medium to fine sand seam, mps 0.5 in., no structure, organic odor, moist					10	90				
						-HYDRAULIC FILL-										
	2 3 5 7	S12 18	21.6 23.6		ML	S12 top: Medium stiff gray SILT (ML), organic silt seams, mps <1 mm, no structure, organic odor, moist					5	95				
					SM	S12 bottom 3.0 in.: Loose gray silty SAND (SM), mps <1 mm, no structure, no odor, moist				10	70	20				
	4 2 1 1	S13 19	23.6 25.6		SM	S13 top 7.0 in.: Similar to above				10	70	20				
				-8.8 24.5	CL	S13 mid 3.0 in.: Soft gray lean CLAY (CL), mps <1 mm, no structure, no odor, moist					10	90				
25					CL	S13 bottom 9.0 in.: Soft gray lean CLAY (CL), shell fragments					5	95				
						-MARINE DEPOSITS-										
				-9.9 25.6		BOTTOM OF EXPLORATION 25.6										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S6

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 9, 2010
Finish	June 9, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	16.0
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.4		-BITUMINOUS ASPHALT-										
	22 32 40	S1 17	0.6 2.0	0.6 14.7		-CRUSHED CONCRETE-										
				1.3	SM	S1 bottom 8.0 in.: Medium dense dark brown silty SAND with gravel (SM), crushed red brick, little gravel, mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm		15	5	15	40	25				
	14 7 9 5	S2 12	2.0 4.0		SP-SM	S2: Loose gray-brown poorly graded SAND with silt and gravel (SP-SM), crushed brick, mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	10	15	50	10				
						-FILL-										
				12.1 3.9		Note: Approximate former ground surface.										
	6 4 3 3	S3 12	4.0 6.0		CL CL	S2 bottom 2.0 in.: Soft olive-gray lean CLAY (CL), trace fine sand, no structure, no odor, wet S3: Medium stiff olive lean CLAY with gravel (CL), crushed red brick, trace organics, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		10	5			85				
5																
	2 2 1 1	S4 24	6.0 8.0		CL	Soft olive-gray lean CLAY (CL), trace fine gravel, trace organics, mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5				95				
						-HYDRAULIC FILL-										
	4 1 1 WOR	S5 17	8.0 10.0		CL	Very soft olive-gray lean CLAY (CL), occasional medium sand seam, trace organics, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm				5		95				
10	1 1 2 1	S6 24	10.0 12.0		CL	Very soft olive-gray lean CLAY (CL), occasional silt parting, pockets of medium sand, trace organics, mps <0.1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm				5		95				
	WOH/ 24"	S7 24	12.0 14.0		CL	Very soft olive-gray lean CLAY (CL), occasional silt seams and sand seams, trace fine gravel, little organics, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5			5	90				
15	1 1 2 1	S8 6	14.0 16.0		CL	Very soft olive-gray lean CLAY (CL), mps <1 mm, no structure, no odor PID = 0.0/0.0 ppm					5	95				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. S6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S6

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 2 2 5	S9 10	16.0 18.0		CL OL-OH	S9 top 3.0 in.: Similar to above S9 bottom 7.0 in.: Soft gray ORGANIC SOIL (OL-OH), shell fragments, trace organics, mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm					5	95				
	4 3 3 3	S10 19	18.0 20.0		ML	Loose gray SILT with sand (ML), mps <1.0 in., no structure, no odor, wet -HYDRAULIC FILL-	5				20	75				
20	2 2 3 3	S11 23	20.0 22.0		OL/OH	S11 top: Soft gray ORGANIC SOIL with sand (OL/OH), shell fragments, mps <1 mm, no structure, slight petroleum-like odor, wet PID = 0.0/1.7 ppm					20	80				
					OL/OH	S11 bottom 13.0 in.: Soft ORGANIC SILT (OL/OH), shell fragments, mps <1 mm, no structure, slight petroleum-like odor, wet PID = 0.0/2.7 ppm					5	95				
	4 4 5 4	S12 16	22.0 24.0		OL/OH	S12 top 8.0 in.: Similar to above except shells more frequent					5	95				
					SM	S12 bottom 3.0 in.: Loose gray silty SAND (SM), shell fragments, glass, mps <1 mm, no structure, petroleum odor, wet PID = 0.0/5.3 ppm					80	20				
				-8.0 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. S6

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S13

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 14, 2010
Finish	June 14, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	17.1
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: NW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.7		-ASPHALT-										
	11 22 23	S1 15	0.4 2.0	0.4	SP	Dense gray poorly graded SAND (SP), 15% cinders, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm		5	45	30	20					
	33 100/3"	S2 6	2.0 4.0		SP	Similar to above PID = 0.0 ppm Note: Drilled through granite from 2.8 to 4.0 ft.		5	45	30	20					
						-FILL-										
	14 17 17 5	S3 9	4.0 6.0		SP	Similar to above PID = 0.0 ppm Note: Approximate former ground surface.		5	45	30	20					
5				11.6												
				5.5	CL	S3 bottom: Stiff gray CLAY with sand (CL), mps 0.25 in., no structure, no odor, moist				5	10	85				
	2 1 3 2	S4 20	6.0 8.0		CL	S4: Soft gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, moist PID = 0.0 ppm				5	10	85				
	2 1 2 2	S5 24	8.0 10.0		CL	Similar to above PID = 0.0 ppm				5	10	80				
						-HYDRAULIC FILL-										
10	1 2 2 2	S6 24	10.0 12.0		CL	Similar to above except trace gravel PID = 0.0 ppm		5		5	5	85				
	1 1 3 4	S7 24	12.0 14.0		CL	Similar to above PID = 0.0 ppm		5		5	5	85				
15	2 2 2 2	S8 24	14.0 16.0		CL	Similar to above except no gravel PID = 0.0 ppm				5	10	85				
	2 1 3 2	S9 24	16.0 18.0		CL	Similar to above PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/14/10		0.25	15.0	24.0	4.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. S13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S13

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 1 3 2	S10 21	18.0 20.0		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
20	2 2 3 5	S11 24	20.0 22.0		CL	Similar to above PID = 0.0 ppm				5	10	85				
				-4.4 21.5		S11 bottom: Note: Peat in spoon tip.										
	8 6 7 7	S12 24	22.0 24.0		OL/ OH	S11 top: Stiff dark brown ORGANIC SILT (OL/OH), frequent peat pockets, mps 5 mm, organic odor, moist PID = 0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-6.9 24.0		BOTTOM OF EXPLORATION 24.0 FT										
						Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. S13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 15, 2010
Finish	June 15, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.2
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Acker Scout Track
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 21.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.6		-ASPHALT-										
				0.6		-CONCRETE-										
	64 100	S1 8	1.2 2.2	16.2 1.0	SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm	5	10	30	25	20	10				
				15.0 2.2		-FILL-										
						-GRANITE BLOCKS-										
	32 24	S2 4	4.2 5.2	13.3 3.9	GP	Very dense gray poorly graded GRAVEL with sand (GP), mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm	20	60	10	10						
5	23 12 22 12	S3 6	5.2 7.2		SM	Dense dark brown silty SAND with gravel (SM), trace brick, cinders, mps 0.5 in., no structure, no odor, moist PID = 0.0 ppm	5	10	15	25	25	20				
						-FILL- Note: Approximate former ground surface.										
	9 3 2 3	S4 6	7.2 9.2	10.0 7.2	CL	Medium stiff brown-gray with gray lean CLAY with sand (CL) intermixed with pockets of sand and organic soil, trace cinders, mps 0.5 in., no odor, wet, reworked PID = 0.0 ppm		5	5	5	10	75				
10	3 3 3 4	S5 12	9.2 11.2		CL	Similar to above PID = 0.0 ppm		5	5	5	10	75				
						-HYDRAULIC FILL-										
	3 1 2 2	S6 4	11.2 13.2		CL	Similar to above except soft PID = 0.0 ppm		5	5	5	10	75				
	4 1 3 17	S7 12	13.2 15.2		OL/OH	Soft brown with gray sandy ORGANIC SOIL (OL/OH), trace clay, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm		5	5	10	15	65				
15	WOR/ 16 19 18	S8 12	15.2 17.2		SC	Dense brown clayey SAND (SC) intermixed with gray lean clay, organic soil, mps 0.25 in., no odor, wet PID = 0.0 ppm			5	5	45	45				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/15/10	1400	0.25	21.0	27.2	12.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.2
Rock Cored (ft)	-
Samples	S14

Boring No. S14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	11 6 13 15	S9 6	17.2 19.2		CL	Very stiff dark gray-brown sandy lean CLAY (CL), trace organics, mps 0.25 in., no odor, wet, reworked PID = 0.0 ppm			5	5	20	70				
20	12 7 7 10	S10 6	19.2 21.2		CL	Similar to above except stiff PID = 0.0 ppm -HYDRAULIC FILL-		5	10	5	10	70				
	8 15 13 13	S11 14	21.2 23.2		CL	Very stiff olive-gray lean CLAY (CL), mps <1 mm, no structure, no odor, wet PID = 0.0 ppm					5	95				
	6 4 4 11	S12 6	23.2 25.2	-6.0 23.2	SP	Loose dark gray-brown poorly graded SAND (SP), trace shells, mps 5 mm, no structure, no odor, wet PID = 0.0 ppm -FILL-				10	85	5				
25	18 14 14 14	S13 12	25.2 27.2	-8.0 25.2	OL/OH	Very stiff brown ORGANIC SOIL (OL/OH)(, frequent pockets and partings of peat, mps <1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
				-10.0 27.2		BOTTOM OF EXPLORATION 27.2 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. S14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 11, 2010
Finish	June 14, 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.3
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.7		-ASPHALT-										
				0.6		-CONCRETE-										
				16.3		-FILL-										
				1.0												
	100/4"	S1 4	1.3 1.7	15.6	SW	Very dense brown well-graded SAND (SW), crushed concrete, mps 0.5 in., no structure, no odor, moist Note: Gravel in tip of spoon. PID = 0.0 ppm	5	5	25	35	25	5				
				1.7		-RUBBLE FILL-										
				14.3												
	113 28 36 39	S2 16	3.3 5.3	3.0	SM	Very dense brown to black silty SAND with gravel (SM), trace cinders, brick, ash, mps 1.0 in., no structure, faint petroleum-like odor, moist PID = 4.6 ppm	5	10	15	20	30	20				
						-FILL-										
5	17 8	S3 6	5.3 6.3		SM	Similar to above PID = 0.0 ppm	5	10	15	20	30	20				
				11.0		Note: Approximate former ground surface.										
	5 5	S3A 6	6.3 7.3	6.3	CL	Stiff olive-gray lean CLAY with sand (CL), mps <5 mm, no odor, wet, reworked PID = 0.0 ppm				5	10	85				
	7 5 5 4	S4 24	7.3 9.3		CL	Stiff gray to gray-brown sandy lean CLAY (CL), pockets of peat, organic soil, mps 0.25 in., faint organic odor, wet, reworked PID = 0.0 ppm		5	5	5	20	65				
10	6 3 2 2	S5 14	9.3 11.3		CL	Similar to above except medium stiff PID = 0.0 ppm				5	25	70				
						-HYDRAULIC FILL-										
	3 3 3 2	S6 24	11.3 13.3		OL/ OH	Medium stiff brown ORGANIC SOIL with sand (OL/OH), trace shells, mps 0.25 in., organic odor, wet, reworked PID = 0.0 ppm				5	20	75				
15	1 1 1 4	S7 24	13.3 15.3		OL/ OH	Similar to above except soft PID = 0.0 ppm				5	20	75				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/14/10	0845	0.25	19.0	25.3	3.2*

*Not stabilized

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.3
Rock Cored (ft)	-
Samples	S12

Boring No. S15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S15

File No. 12486-515
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3 1 2 4	S8 20	15.3 17.3		OL/ OH	Similar to above except trace wood, cinders PID = 0.0 ppm				5	20	75				
	7 3 4 3	S9 6	17.3 19.3		OL/ OH	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-					25	75				
20	2 4 4 5	S10 6	19.3 21.3		OL/ OH	Medium stiff brown to olive-brown ORGANIC SOIL with sand (OL/OH), 5% shells, mps 0.25 in., faint organic odor, reworked PID = 0.0 ppm		5		5	15	75				
	6 5 4 5	S11 8	21.3 23.3		OL/ OH	Similar to above except stiff PID = 0.0 ppm		5		5	15	75				
	8 4 4 6	S12 20	23.3 25.3	-6.0 23.3	PT	Medium stiff brown PEAT (PT), frequent laminate of organic soil, mps < 1 mm, strong organic odor, wet PID = 0.0 ppm -ORGANIC DEPOSITS-						100				
25				-8.0 25.3		BOTTOM OF EXPLORATION 25.3 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. S15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. T6

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 20.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 9, 2010
Finish	June 9, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	15.7
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.2		-BITUMINOUS ASPHALT-										
	15 16 36 38	S1 19	0.5 2.5	0.5		-CRUSHED CONCRETE-		10	25	30	30	5				
				14.5 1.2	SM	S1 middle 7.0 in.: Dense dark brown silty SAND with gravel (SM), crushed brick, mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	10	5	15	35	25				
					SP	S1 bottom 5.0 in.: Brown poorly graded SAND with gravel (SP)										
	6 6 18 15	S2 12	2.5 4.5		SP	S2: Medium dense poorly graded SAND with gravel (SP), mps 1.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	10	15	30	30	5				
						-FILL-										
	2 2 2 2	S3 12	4.5 6.5	10.9 4.8	SP	S3 top 3.0 in.: Poorly graded SAND (SP)										
5					CL	Note: Approximate former ground surface. S3 bottom 9.0 in.: Very soft olive-gray lean CLAY (CL), trace sand, trace gravel, organic staining, mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5		5		90				
	2 2 3 2	S4 12	6.5 8.5		CL	Medium stiff gray CLAY with organics (CL), little sand, trace fine gravel, no structure, wet PID = 0.0/0.0 ppm		5		5		90				
	WOR/ 12" 1 1	S5 14	8.5 10.5		CL	Very soft lean CLAY with organics (CL), trace coarse sand and fine gravel, mps 0.4 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	5			90				
10																
	1 1 1 1	S6 19	10.5 12.5		CL	Soft olive-gray lean CLAY with organics (CL), trace fine sand and fine gravel, mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5			5	90				
	1 1 1 1	S7 22	12.5 14.5		CL	Soft olive-gray lean CLAY with organics (CL), little sand, mps 0.2 in., no structure, no odor, wet PID = 0.0/0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S12

Boring No. T6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. T6

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	WOR/ 12" 1 1	S8 21	14.5 16.5		CL	S8 top 11.0 in.: Soft olive-gray CLAY with organics (CL), trace fine sand and gravel, mps 0.5 i n., no structure, no odor, wet		5			5	90				
					OL/ OH	S8 bottom 10.0 in.: Soft black ORGANIC SOIL (OL/OH), little fine sand (occasional seams), no structure, organic odor, wet PID = 0.0/0.0 ppm					15	85				
	4 3 2 6	S9 23	16.5 18.5		ML	S9 top 6.0 in.: Similar to above										
					ML	S9 bottom 17.0 in.: Loose gray-green SILT with sand (ML), mps <1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm				5	15	80				
	2 2 2 2	S10 15	18.5 20.5		ML	Loose gray-green SILT with sand (ML), shell pieces, mps 0.3 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	10		5	80				
20																
	2 4 4 3	S11 21	20.5 22.5		ML	Similar to above -HYDRAULIC FILL-										
	2 4 3 2	S12 22	22.5 24.5		ML	S12 top 6.0 in.: Loose olive-gray SILT (ML), no structure, no odor, wet PID = 0.0/0.0 ppm						100				
					ML	S12 bottom 16.0 in.: Loose olive-gray SILT (ML), trace fine gravel, trace sand, mps 0.3 in., no structure, no odor, wet		5	10		5	80				
				-8.8 24.5		BOTTOM OF EXPLORATION 24.5 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. T6

HALEY & ALDRICH

TEST BORING REPORT

Boring No. V14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 11, 2010
Finish	June 14, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	16.4
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 22.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.0		-BITUMINOUS ASPHALT-										
	26 50 100/3"	S1 13	0.4 2.4	0.4 15.3		-CRUSHED CONCRETE-										
				1.1	SP	Dense poorly graded SAND with gravel (SP), slag, mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	10	10	10	30	30					
	15 7 6 4	S2 11	2.4 4.4		SM	Note: Drilled through approximately 12-in. obstruction (granite boulder) from 2.0 to 3.0 ft. S2 top 4.0 in.: Cuttings from granite boulder S2 bottom 7.0 in.: Medium dense dark brown silty SAND with gravel (SM), slag, cinders and ash, mps 0.75 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	10	5	30	30	20				
	4 3 2 1	S3 0	4.4 6.4		SM	Note: No recovery. Overdrove 3-in. spoon. Dark brown silty SAND (SM), 10% clay, slag, crushed red brick -FILL-	5	5	10	25	30	25				
5	WOH/ 18" 1	S4 8	6.4 8.4	9.6 6.8	SM CL	S4 top 3.0 in.: Similar to above PID = 0.0/0.2 ppm Note: Approximate former ground surface. S4 bottom 5.0 in.: Very soft olive-gray lean CLAY (CL), mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5			5	90				
	1 1 WOR 1	S5 5	8.4 10.4		CL	Very soft olive-gray lean CLAY (CL), trace organics, mps 3 mm, no structure, no odor, wet PID = 0.0/0.0 ppm			5			95				
10	1 1 WOH	S6 18	10.4 12.4		CL	Very soft gray lean CLAY (CL), occasional pockets of peat, little organics, mps 4 mm, no structure, organic odor, wet -HYDRAULIC FILL-			5			95				
	1 1 WOH	S7 22	12.4 14.4		CL	Similar to above PID = 0.0/0.0 ppm			5			95				
15	1 1 WOH	S8 21	14.4 16.4		CL	Very soft olive-gray lean CLAY (CL), mps 3 mm, no structure, no odor, wet PID = 0.0/0.0 ppm			5			95				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.4
Rock Cored (ft)	-
Samples	S13

Boring No. V14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. V14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	WOH/ 24"	S9 23	16.4 18.4		CL	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5			95				
	1 1 2 1	S10 22	18.4 20.4		CL	S10 top: Soft olive-gray lean CLAY (CL), trace organics, mps 0.5 in., no structure, no odor, wet			5			95				
					CL	S10 bottom 10.0 in.: Soft olive-brown lean CLAY (CL), 40% silt, mps 0.5 in., no structure, organic odor, wet PID = 0.0/0.0 ppm		5				95				
20	3 2 3 3	S11 10	20.4 22.4		CL	S11 top 3.0 in.: Similar to above										
					CL	S11 bottom 7.0 in.: Medium stiff olive-brown lean CLAY (CL), frequent pockets of peat, mps 0.3 in., no structure, slight organic odor, wet PID = 0.0/0.0 ppm		5				95				
	2 4 3 4	S12 12	22.4 24.4		PT	S12 top: Medium stiff PEAT (PT), 20% lean clay, mps <1 mm, slight organic odor, wet						100				
				-7.8 24.2	CL	S12 bottom 3.0 in.: Gray lean CLAY (CL), mps <1 mm, wet										
25	3 5 6 7	S13 21	24.4 26.4		CL	S13: Stiff gray lean CLAY (CL), 40% silt, mps <1 mm, no odor PID = 0.0/0.0 ppm -MARINE DEPOSITS-						100				
				-10.0 26.4		BOTTOM OF EXPLORATION 26.4 FT										

Note: Borehole grouted to surface upon completion.

WOH = Weight of Hammer

WOR = Weight of Rod

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. V14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. V15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 14, 2010
Finish	June 14, 2010
Driller	R. Eastwood
H&A Rep.	D. Crawford
Elevation	
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Automatic Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-BITUMINOUS ASPHALT-										
	25 27 21 22	S1 17	0.5 2.5	1.2		-CRUSHED CONCRETE-										
					SM	Dense dark brown silty SAND with gravel (SM), crushed brick and wood fragments, mps 2.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	10	20	35	20				
	12 8 5 4	S2 11	2.5 4.5		SM	Medium dense dark brown silty SAND (SM), crushed brick, mps 0.75 in., no structure, no odor, moist		5	15	25	30	25				
						-FILL-										
5	6 3 2 1	S3 8	4.5 6.5		SM	Loose dark brown silty SAND (SM), 25% cinders and ash, mps 0.25 in., no structure, no odor, wet PID = 1.3/1.3 ppm		5	10	30	40	15				
	2 2 1 1	S4 5	6.5 8.5		SM	S4 top 3.0 in.: Similar to above		5	10	30	40	15				
						Note: Approximate former ground surface.										
	WOH/ 24"	S5 24	8.5 10.5	8.3	SP CL	S4 bottom 2.0 in.: Soft dark brown SAND with clay (SP), mps < 1 mm, no structure, wet S5: Very soft olive-gray lean CLAY (CL), frequent pockets of peat, occasional fine sand seams, mps 0.25 in,., no structure, no odor, wet WOH = Weight of Hammer		5	10	20	50 5	20 90				
10																
	WOH/ 12" 1	S6 24	10.5 12.5		CL	S6 top 8.0 in.: Similar to above PID = 1.5/1.5 ppm					5	95				
					PT	S6 mid 5.0 in.: Very soft dark brown PEAT (PT) intermixed with lean clay (25%), shell fragments, mps < 1 mm, no structure, organic odor, wet					5	95				
					CL	S6 bottom 11.0 in.: Very soft olive-gray lean CLAY (CL), frequent pockets of peat, slight organic staining, mps < 1 mm, no structure, organic odor, wet PID = 1.3/1.8 ppm					5	95				
	WOH/ 18" 1	S7 24	12.5 14.5		CL	S7: Similar to above					5	95				
						-HYDRAULIC FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.5
Rock Cored (ft)	-
Samples	S12

Boring No. V15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. V15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 1 1 1	S8 23	14.5 16.5		CL ML	S8 top 6.0 in.: Very soft gray lean CLAY (CL), shell fragments, mps <1 mm, no structure, slight petroleum-like odor, wet PID = 1.4/3.6 ppm S8 bottom 17.0 in.: Very soft gray SILT (ML), 15% clay, shell fragments, occasional organic clay seams, mps <1 mm, no structure, petroleum-like odor, wet					5 5	95 95				
	WOH/ 24"	S9 22	16.5 18.5		OL	S9: Very soft ORGANIC CLAY (OL), shell fragments, 40% silt, mps <1 mm, no structure, slight petroleum-like odor, wet PID = 1.5/5.3 ppm					5	95				
20	WOH/ 18" 1	S10 23	18.5 20.5		OL	Very soft olive ORGANIC CLAY (OL), occasional pockets of peat, shell fragments, mps <1 mm, no structure, strong H2S odor, wet					5	95				
	WOH/ 24"	S11 19	20.5 22.5		OL	Very soft olive-brown ORGANIC CLAY (OL) intermixed with brown fibrous peat, mps <1 mm, no structure, strong H2S odor, wet										
	WOH/ 24"	S12 13	22.5 24.5		OL	S12 top 6.0 in.: Similar to above -HYDRAULIC FILL-										
				24.0	PT	S12 bottom 7.0 in.: Brown fibrous PEAT (PT) -ORGANIC DEPOSITS-										
				24.5		BOTTOM OF EXPLORATION 24.5 FT Note: Borehole grouted to surface upon completion. WOH = Weight of Hammer										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. V15

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W14

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-515
Sheet No.	1 of 2
Start	June 11, 2010
Finish	June 11, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	16.3
Datum	BCB
Location	See Plan

	Casing	Sampler	Barrel
Type	HW/NW	S	-
Inside Diameter (in.)	4/3	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: NW Driven to 15.0 ft
Hoist/Hammer: Winch Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.0		-GRAVEL-										
	71 17 58 85	S1 13	0.3 2.3	0.3		Note: Sample composed entire of cinders and concrete. PID = 0.0 ppm										
						-FILL-										
	30 5 4 2	S2 7	2.3 4.3		SP-SM	Loose dark gray poorly graded SAND with silt (SP-SM), 60% cinder, trace brick, no structure, no odor, moist PID = 0.0 ppm		5	40	30	15	10				
				12.0		Note: Approximate former ground surface.										
5	2 2 3 5	S3 17	4.3 6.3	4.3	OL/OH	Medium stiff dark gray ORGANIC SILT with sand (OL/OH), mps 0.25 in., no structure, organic odor, wet PID = 0.0 ppm				5	10	85				
	1 1 2 3	S4 24	6.3 8.3		OL/OH	Similar to above except soft				5	10	85				
						-HYDRAULIC FILL-										
	1/12" 1 1	S5 20	8.3 10.3		OL/OH	Similar to above except very soft, trace shells PID = 0.0 ppm				5	10	85				
10	2 2 2 3	S6 24	10.3 12.3		OL/OH	Similar to above except soft PID = 0.0 ppm				5	10	85				
	2 2 2 3	S7 24	12.3 14.3		OL/OH	Similar to above PID = 0.0 ppm				5	10	85				
15	1 1 1 1	S8 20	14.3 16.3		CL	Very soft gray CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet PID = 0.0 ppm				5	10	85				
	2 4 2 3	S9 24	16.3 18.3		CL	Similar to above except medium stiff, occasional sand pockets PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
6/11/10		0.25	15.0	22.3	3.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	22.3
Rock Cored (ft)	-
Samples	S11

Boring No. W14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W14

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 2 2 3	S10 24	18.3 20.3	-3.0 19.3	CL	S10 top: Similar to above except soft PID = 0.0 ppm -HYDRAULIC FILL-					15	85				
20					OL/OH	S10 bottom: Soft dark brown ORGANIC SILT (OL/OH), occasional sand partings, mps 5 mm, organic odor, wet PID = 0.0 ppm					15	85				
	2 2 3 3	S11 24	20.3 22.3		OL/OH	S11: Similar to above except medium stiff, frequent peat pockets -ORGANIC DEPOSITS-										
				-6.0 22.3		BOTTOM OF EXPLORATION 22.3 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. W14

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W15

Project	BOSTON CONVENTION & EXHIBITION CENTER PHASE 2, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW/NW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4/3	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: NW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head Doughnut Hammer PID Make & Model: MiniRAE 2000 11.7 eV

File No.	12486-515
Sheet No.	1 of 2
Start	June 14, 2010
Finish	June 14, 2010
Driller	J. Galvin
H&A Rep.	O. Lawlor
Elevation	16.7
Datum	BCB
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.1		-GRAVEL-										
	10 25 30	S1 14	0.6 2.0	0.6	SP	Dense brown poorly graded SAND (SP), occasional silt pockets, mps 1.0 in., no structure, no odor, moist PID = 0.0 ppm		5	45	30	20					
	51 16 27 17	S2 9	2.0 4.0		SP	Similar to above PID = 0.0 ppm		5	45	30	20					
						-FILL-										
	9 12 10 12	S3 7	4.0 6.0		SP	Similar to above except medium dense PID = 0.0 ppm		5	45	30	20					
5				10.7		Note: Approximate former ground surface.										
	9 4 4 2	S4 10	6.0 8.0	6.0	CL	Medium stiff gray CLAY with sand (CL), mps 0.25 in., no structure, no odor, moist PID = 0.0 ppm				5	10	85				
	2 2 2 3	S5 18	8.0 10.0		CL	Similar to above except soft, trace peat, frequent organic pockets PID = 0.0 ppm				5	10	85				
10	1 1 2 1	S6 6	10.0 12.0		CL	Similar to above PID = 0.0 ppm				5	10	85				
						-HYDRAULIC FILL-										
	3 2 1 2	S7 24	12.0 14.0		CL	Similar to above except H2S odor PID = 0.0 ppm				5	10	85				
15	WOR 2 3 2	S8 24	14.0 16.0		CL	Similar to above except medium stiff PID = 0.0 ppm				5	10	85				
	WOR 2 2 3	S9 24	16.0 18.0		CL	Similar to above except soft PID = 0.0 ppm				5	10	85				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	24.0
Rock Cored (ft)	-
Samples	S12

Boring No. W15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\515\FIELD DATA\12486-515_PH II_TB.GPJ Oct 12, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W15

File No. 12486-515

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	2 1 2 2	S10 24	18.0 20.0		CL	Similar to above PID = 0.0 ppm -HYDRAULIC FILL-				5	10	85				
20	2 3 5 6	S11 24	20.0 22.0	-3.8 20.5	CL	S10 top: Similar to above PID = 0.0 ppm				5	10	85				
					OL/ OH	S10 bottom: Medium stiff gray ORGANIC SILT (OL/OH), occasional peat pockets, occasional sand parting, mps 5 mm, organic odor, wet PID = 0.0 ppm					5	95				
	5 6 7 7	S12 24	22.0 24.0		OL/ OH	Similar to above -ORGANIC DEPOSITS-										
				-7.3 24.0		BOTTOM OF EXPLORATION 24.0 FT Note: Borehole grouted to surface upon completion. WOR = Weight of Rod										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. W15

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. A12a (OW)
Boring No. A12a (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller J. Galvin

Initial Water Level (depth bgs) 10.2 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 28 Dec 2010
H&A Rep. S. Shay
Location See Plan

Ground El. 18.1
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	18.1
ASPHALT	0.4			0.6	17.5
				1.0	17.1
				3.0	15.1
				5.0	13.1
				15.0	3.1
				16.0	2.1
HYDRAULIC FILL					
	20.0			20.0	-1.9

WELL CONSTRUCTION DETAILS

Type of protective cover: Pentagonal Center Bolt
Depth of Steel below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.4 ft
Type of protective casing: Steel
Length: 0.8 ft
Inside diameter: 4.0 in.
Depth of bottom of Steel: 0.8 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 5.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.6
Bentonite	1.0	2.0
Bentonite	16.0	4.0

Diameter of borehole: 4.5 in.
Depth to top of well screen: 5.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: #1 Filter Sand
Depth to bottom of well screen: 15.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 20.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. G15 (OW)
Boring No. G15 (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller John Galvin
Initial Water Level (depth bgs) 7.5 ft

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

File No. 12486-530
Date Installed 23 Dec 2010
H&A Rep. S. Shay
Location See Plan
Ground El. 21.3
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	21.3
ASPHALT	0.5			0.3	21.0
				0.5	20.8
				5.0	16.3
				6.0	15.3
				8.0	13.3
FILL				18.0	3.3
	19.2				

WELL CONSTRUCTION DETAILS

Type of protective cover: Compression - pent. bolt
Depth of Roadway Box below ground surface: 0.0 ft
Height of top of riser above ground surface: 0.3 ft
Type of protective casing: Roadway Box
Length: 0.8 ft
Inside diameter: 6.0 in.
Depth of bottom of Roadway Box: 0.8 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.5
Bentonite	5.0	1.0
	-	-

Diameter of borehole: 4.5 in.
Depth to top of well screen: 8.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 5.0 in.
Type of Backfill around Screen: #1 Filter Sand
Depth to bottom of well screen: 18.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 19.2 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. K11 (OW)
Boring No. K11 (OW)

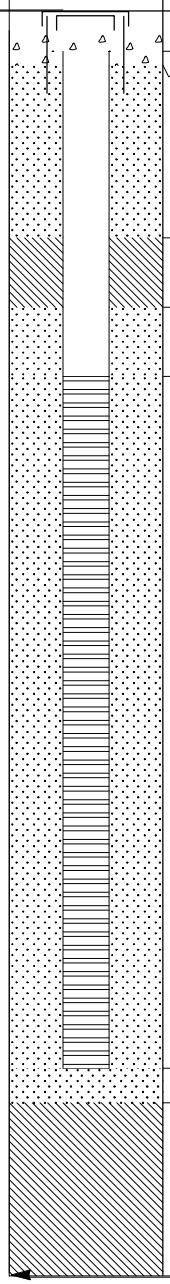
Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller John Galvin
Initial Water Level (depth bgs) 9.4 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 21 Dec 2010
H&A Rep. S. Shay
Location See Plan

Ground El. 20.3
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	20.3
ASPHALT	0.5			0.3	20.0
				0.5	19.8
				3.0	17.3
ASPHALT	3.4				
	4.0			4.0	16.3
				5.0	15.3
HYDRAULIC FILL					
	15.0			15.0	5.3
				15.5	4.8
ESTUARINE DEPOSITS					
	18.0			18.0	2.3



WELL CONSTRUCTION DETAILS

Type of protective cover: Compression - pent. bolt
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.3 ft
Type of protective casing: Roadway Box
Length: 0.8 ft
Inside diameter: 6.0 in.
Depth of bottom of Roadway Box: 0.8 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 5.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.5
Bentonite	3.0	1.0
Bentonite	15.5	2.5

Diameter of borehole: 4.5 in.
Depth to top of well screen: 5.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: #1 Filter Sand
Depth to bottom of well screen: 15.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 18.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. L14A (OW)
Boring No. L14A (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller J. Galvin

Initial Water Level (depth bgs) 5.1 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 3 Jan 2011
H&A Rep. S. Shay
Location See Plan

Ground El. 20.0
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	20.0
ASPHALT	0.5			0.5	19.5
				1.0	19.0
				3.0	17.0
PROBABLE ASPHALT EM-1 CAP	3.6 4.0			5.0	15.0
FILL					
	9.5				
				15.0	5.0
				16.0	4.0
ORGANIC DEPOSITS	22.0				
	27.0			27.0	-7.0

WELL CONSTRUCTION DETAILS

Type of protective cover: Compression - pent. bolt
Depth of Steel below ground surface: 0.0 ft
Height of top of riser above ground surface: 0.3 ft
Type of protective casing: Steel
Length: 0.8 ft
Inside diameter: 6.0 in.
Depth of bottom of Steel: 0.8 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 5.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.5
Bentonite	1.0	2.0
Bentonite	16.0	11.0

Diameter of borehole: 4.5 in.
Depth to top of well screen: 5.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: #1 Filter Sand
Depth to bottom of well screen: 15.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 27.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. M7 (OW)
Boring No. M7 (OW)

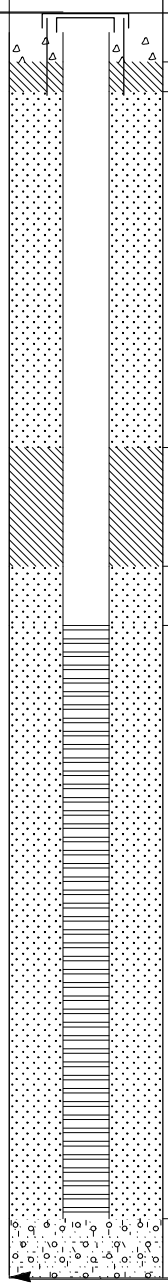
Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller D. Sheldon
Initial Water Level (depth bgs) 7.03* ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 21 Dec 2010
H&A Rep. B.Babcock
Location See Plan

Ground El. 18.6
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	18.6
ASPHALT	0.5			0.5	18.1
				1.0	17.6
FILL					
RUBBLE FILL	5.9 – 6.3				
				7.0	11.6
FILL					
	9.0			9.0	9.6
				10.0	8.6
HYDRAULIC FILL					
				20.0	-1.4
	21.0			21.0	-2.4



WELL CONSTRUCTION DETAILS

Type of protective cover: Bolted - 9/16" hex.
Depth of Roadway Box below ground surface: 0.0 ft
Height of top of riser above ground surface: 0.6 ft
Type of protective casing: Roadway Box
- Length: 1.0 ft
- Inside diameter: 6.0 in.
- Depth of bottom of Roadway Box: 1.0 ft

Type of riser pipe: Schedule 40 PVC
- Inside diameter of riser pipe: 2.0 in.
- Depth of bottom of riser pipe: 10.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.5
Bentonite	0.5	0.5
Bentonite	7.0	2.0

Diameter of borehole: 4.0 in.
Depth to top of well screen: 10.0 ft
- Type of screen: Machine slotted Sch 40 PVC
- Screen gauge or size of openings: 0.010 in.
- Diameter of screen: 2.0 in.
- Type of Backfill around Screen: #1 Filter Sand
- Depth to bottom of well screen: 20.0 ft

Bottom of silt trap: -
Depth of bottom of borehole: 21.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. N17A (OW)
Boring No. N17A (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller G. Peterson

Initial Water Level (depth bgs) 4.2 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 30 Dec 2010
H&A Rep. B. Babcock
Location See Plan

Ground El. 18.6
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	18.6
ASPHALT	0.4			0.6	18.0
GRAVEL	0.8				
POSSIBLE ASPHALT EM-1 CAP	1.0				
				4.0	14.6
				6.0	12.6
FILL				8.0	10.6
	13.0				
HYDRAULIC FILL				18.0	0.6
	23.0				
ORGANIC DEPOSITS					
	28.0			28.0	-9.4

WELL CONSTRUCTION DETAILS

Type of protective cover: Roadbox
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.3 ft

Type of protective casing: Roadway Box
- Length: 1.0 ft
- Inside diameter: 6.0 in.
- Depth of bottom of Roadway Box: 1.0 ft

Type of riser pipe: Schedule 40 PVC
- Inside diameter of riser pipe: 2.0 in.
- Depth of bottom of riser pipe: 8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.6
Bentonite	4.0	2.0
	-	-

Diameter of borehole: 4.0 in.
Depth to top of well screen: 8.0 ft
- Type of screen: Machine slotted Sch 40 PVC
- Screen gauge or size of openings: 0.010 in.
- Diameter of screen: 2.0 in.
- Type of Backfill around Screen: #1 Filter Sand
- Depth to bottom of well screen: 18.0 ft

Bottom of silt trap: -
Depth of bottom of borehole: 28.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. S8 (OW)
Boring No. S8 (OW)

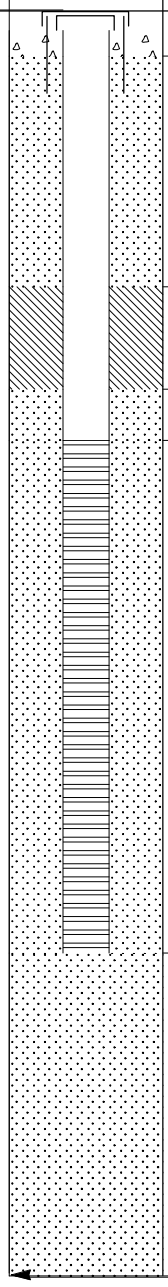
Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller D. Sheldon
Initial Water Level (depth bgs) 4.2 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 3 Jan 2011
H&A Rep. B. Babcock
Location See Plan

Ground El. 16.3
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	16.3
ASPHALT	0.8			0.5	15.8
FILL	4.3			5.0	11.3
FILL	8.3			7.0	9.3
				8.0	8.3
HYDRAULIC FILL				18.0	-1.7
ORGANIC DEPOSITS	20.3				
	24.3			24.3	-8.0



WELL CONSTRUCTION DETAILS

Type of protective cover: Roadway Box with Bolted - 9/16" hex.
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.6 ft
Type of protective casing: Roadway Box
Length: 1.0 ft
Inside diameter: 8.0 in.
Depth of bottom of Roadway Box: 1.0 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.5
Bentonite	5.0	2.0
	-	-

Diameter of borehole: 4.0 in.
Depth to top of well screen: 8.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: #1 Filter Sand
Depth to bottom of well screen: 18.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 24.3 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. W16 (OW)
Boring No. W16 (OW)

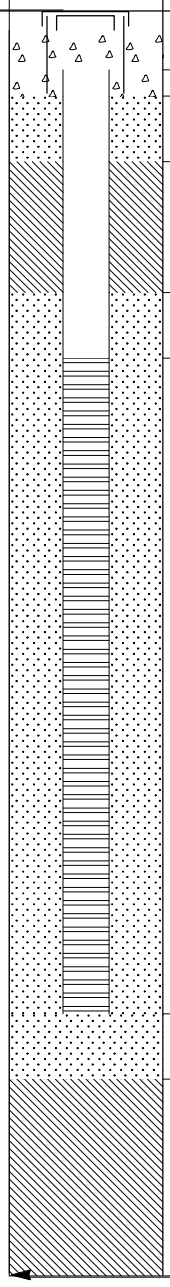
Project BCEC PHASE 2 - SUPPLEMENTAL
Location BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.
Driller J. Boyd
Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 12486-530
Date Installed 3 Jan 2011
H&A Rep. M. Dodson
Location See Plan

Ground El. 17.1
Datum Boston City Base

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	17.1
GRAVEL	0.5			0.6	16.5
				1.0	16.1
FILL				2.0	15.1
	3.0			4.0	13.1
				5.0	12.1
HYDRAULIC FILL				15.0	2.1
				16.0	1.1
	19.0			19.0	-1.9



WELL CONSTRUCTION DETAILS

Type of protective cover: Compression - pent. bolt
Depth of Roadway Box below ground surface: 0.0 ft
Depth of top of riser below ground surface: 0.6 ft
Type of protective casing: Roadway Box
Length: 1.0 ft
Inside diameter: 8.0 in.
Depth of bottom of Roadway Box: 1.0 ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 5.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite	2.0	2.0
Bentonite	16.0	3.0

Diameter of borehole: 4.0 in.
Depth to top of well screen: 5.0 ft
Type of screen: Machine slotted Sch 40 PVC
Screen gauge or size of openings: 0.010 in.
Diameter of screen: 2.0 in.
Type of Backfill around Screen: #1 Filter Sand
Depth to bottom of well screen: 15.0 ft
Bottom of silt trap: -
Depth of bottom of borehole: 19.0 ft

GW INSTALLATION REPORT-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	28 December 2010
Finish	28 December 2010
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	18.2
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 18.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.8 0.4		-ASPHALT-										
						Note: No sampling required until 4.0 ft. Drill action indicates Fill. -FILL-										
5	18 15 12 9	S1 15	4.0 6.0		SW-SM	Medium dense black well-graded SAND with silt and gravel (SW-SM), mps 0.9 in., no structure, no odor, moist, approximately 30% cinders, ash, clinkers PID = 0.0/0.0 ppm		20	25	25	20	10				
	9 8 9 8	S2 9	6.0 8.0		SW-SM	S2: Similar to above except mps 1.2 in. PID = 0.0/0.0 ppm	5	15	30	25	15	10				
	15 7 19 12	S3 17	8.0 10.0	10.2 8.0	SM	Medium dense dark gray ASH and CINDERS, 5% clinkers and charred wood, 15% silty SAND (SM), no structure, no odor, moist PID = 0.0/0.0 ppm		5	20	25	30	20				
10	8 2 3 3	S4 10	10.0 12.0		SM	Similar to above except loose, 30% silty SAND, 5% brick specks and fragments, trace glass PID = 0.0/0.0 ppm -FILL-		5	15	25	30	25				
	6 2 3 4	S5 4	12.0 14.0		SM	Similar to above except 10% wood, high cinder % PID = 0.0/0.0 ppm	5	5	15	20	30	25				
15	13* 10* 8* 9*	S6 15	14.0 16.0	3.7 14.5	SM CL	Medium dense black WOOD FRAGMENTS and CINDERS, 10% brick and concrete fragments, 20% silty SAND (SM), slight petroleum-like odor PID = 0.0/0.0 ppm		5		5	10	80	N	L	L	
	4 4 6 4	S7 9	16.0 18.0		CL	Stiff dark gray to light olive-gray lean CLAY with sand (CL), trace wood, shells, cinders, porcelain, peat fibers -HYDRAULIC FILL- PID = 0.0/0.0 ppm Similar to above PID = 0.0/0.0 ppm	5		5		10	80	N	L	L	
	6 5 3 3	S8 14	18.0 20.0		CL	-HYDRAULIC FILL- Similar to above PID = 0.0/0.0 ppm		5			10	85	N	L	L	
20				-1.8 20.0		BOTTOM OF EXPLORATION 20.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	-
Samples	S8

Boring No. A11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A12a (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 28 December 2010
Finish 28 December 2010
Driller J. Galvin
H&A Rep. S. Shay
Elevation 18.1
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 16.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.7		-ASPHALT-										
	3 100/2"	S1 3	0.5 1.2	0.4	SM	Very dense gray silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet from drilling PID = 0.0/0.0 ppm	5	10	15	15	35	20				
						-FILL-										
5	13 8 6 5	S2 10	4.0 6.0		SM	Medium dense dark brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 5% ash, trace cinders, trace glass PID = 0.0/0.0 ppm	5	10	15	20	30	20				
	11 11 17 31	S3 12	6.0 8.0			Note: No recovery. Pushed 3-in. spoon to 9.0 ft for similar to above PID = 0.0/0.0 ppm										
10	9 8 2 8	S4 10	9.0 11.0		SM	Loose black silty SAND (SM), mps 1.0 in., no structure, no odor, wet, 10% brick PID = 0.0/5.6 ppm		5	5	10	40	40				
	10 9 6 5	S5 14	11.0 13.0		SM	Medium dense black silty SAND with gravel and up to 30% wood (SM), mps 1.25 in., no structure, no odor, wet PID = 0.0/4.3 ppm	10	10	10	15	25	30				
	5 7	S6 6	13.0 14.0	4.1	SM	Similar to S4, S5 above PID = 0.0/6.5 ppm										
15	2 2 2 5	S7 14	14.0 16.0	14.0	CL	Soft olive-gray lean CLAY with sand (CL), mps 1/8 in., no structure except frequent dark brown disturbed peat pockets, slight organic odor, wet PID = 0.0/0.3 ppm			5	5	15	75				
	2 3 2 3	S8 18	16.0 18.0		CL	-HYDRAULIC FILL- Similar to above except medium stiff PID = 0.0/0.0 ppm										
	3 1 2 2	S9 20	18.0 20.0		CL	Similar to above except soft PID = 0.0/0.0 ppm										
20				-1.9 20.0		BOTTOM OF EXPLORATION 20.0 FT Note: Observation well installed in completed borehole. See observation well installation report for details.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/29/10	0810	16	Initial	reading	10.2
			in well		

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 20.0
Rock Cored (ft) -
Samples S9

Boring No. A12a (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A17

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	28 December 2010
Finish	28 December 2010
Driller	G. Peterson
H&A Rep.	B. Babcock
Elevation	17.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.9 / 0.6		-ASPHALT-										
				16.4 / 1.1		-RUBBLE FILL-										
	100/3" 17* 30* 14* 10*	S1 14	1.5 3.5		SM	Very dense brown to gray-brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, moist, trace brick, concrete PID = 0.0/0.0 ppm	5	10	10	15	40	20				
				14.0 / 3.5		-FILL- Note: Probable former ground surface at 3.5 ft.										
	11 9 12 12	S2 12	3.5 5.5		SM	Medium dense dark gray to black silty SAND (SM), mps 0.5 in., no structure, no odor, moist, trace cinder, brick PID = 0.0/0.0 ppm	5	5	10	15	40	25				
5	23 21 29 94	S3 14	5.5 7.5		SM	Similar to above except dense PID = 0.0/0.0 ppm	5	5	10	15	40	25				
						-FILL-										
	13 29 30 33	S4 16	7.5 9.5		SM	Similar to above except very dense, 40% cinders, ash, trace wood PID = 0.0/0.0 ppm		5	15	25	25	30				
10	1 1 1 2	S5 16	9.5 11.5		ML	Very loose black sandy SILT (ML), mps 0.25 in., no structure, faint organic odor, wet, trace cinders PID = 0.0/0.0 ppm				5	25	70				
	3 4 5 6	S6 6	11.5 13.5		OL-OH	Medium stiff dark brown with black sandy ORGANIC SOIL (OL-OH), mps 0.25 in., reworked, organic odor, wet, trace cinders, wood PID = 0.0/0.0 ppm					30	70				
	9 5 4 6	S7 6	13.5 15.5		ML	Loose black sandy SILT (ML), mps 0.25 in., no structure, no odor, wet, 30% cinders, ash, wood PID = 0.0/0.0 ppm				10	25	65				
15	3 3 3 8	S8 12	15.5 17.5		ML	Loose olive-gray sandy SILT (ML), mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm					30	70				
				0.0 / 17.5		BOTTOM OF EXPLORATION 17.5 FT										

Note: Grouted boring to surface upon completion.
*indicates 3-in. spoon and 300-lb hammer used to obtain sample

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/28/10	1400	0.5	15.0	17.5	8.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	17.5
Rock Cored (ft)	-
Samples	S8

Boring No. A17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A18

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	29 December 2010
Finish	29 December 2010
Driller	G. Peterson
H&A Rep.	B. Babcock
Elevation	17.4
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.6		-ASPHALT-										
				0.8		Note: Brick in wash from 0.8 to 1.2 ft.										
	36 33 27 25	S1 12	1.4 3.4		SM	Very dense gray-brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, moist, trace brick PID = 0.4/0.0 ppm	5	10	10	15	35	25				
						-FILL-										
				14.0 3.4		Note: Approximate former ground surface at 3.4 ft.										
	22 23 16 17	S2 12	3.4 5.4		ML	Dense brown sandy SILT (ML), mps 0.25 in., no structure, no odor, moist, 25% cinder, ash, slag PID = 0.0/0.0 ppm		5	5	15	15	60				
5	13 17 22 28	S3 14	5.4 7.4		ML	Similar to above PID = 0.0/0.0 ppm		5	5	15	15	60				
						-FILL-										
	45 27 15 9	S4 16	7.4 9.4		ML	Similar to above with trace glass PID = 0.0/0.0 ppm			10	15	20	65				
10	3 2 2 2	S5 12	9.4 11.4		ML	Loose olive-brown sandy SILT (ML), mps 0.25 in., no structure, no odor, wet, trace cinders PID = 0.0/0.0 ppm				5	25	70	R			
	4 5 6 4	S6 6	11.4 13.4		ML	Similar to above except medium dense, trace organic soil, brick, shells PID = 0.0/0.0 ppm					30	70	R			
				4.0 13.4												
	10 5 4 4	S7 3	13.4 15.4		OL-OH	Medium stiff olive-brown sandy ORGANIC SOIL (OL-OH), mps 0.25 in., reworked, faint organic odor, wet, trace shells PID = 0.0/0.0 ppm					30	70				
15	4 2 5 2	S8 14	15.4 17.4		OL-OH	Medium stiff brown ORGANIC SOIL with sand (OL-OH), mps <0.25 in., reworked, occasional pockets gray lean clay, faint organic odor, wet PID = 0.0/0.0 ppm					15	85				
						-HYDRAULIC FILL-										
				0.0 17.4		BOTTOM OF EXPLORATION 17.4 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/29/10	1100	0.5	15.0	17.4	8.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	17.4
Rock Cored (ft)	-
Samples	S8

Boring No. A18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. A19

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	29 December 2010
Finish	29 December 2010
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	17.3 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.3 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.7		-ASPHALT-										
				0.6		-FILL-										
	53 44 39 49	S1 14	1.3 3.3		SM	Very dense olive-gray silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet from drilling PID = 0.0/0.0 ppm	5	10	10	15	30	30				
				14.3												
	20 20 15 15	S2 9	3.3 5.3	3.0	ML	Dense dark brown sandy SILT (ML), mps 7/8 in., no structure, no odor, moist PID = 0.0/0.0 ppm			5	10	20	65				
5	9 5 4 10	S3 12	5.3 7.3		ML	Loose dark brown sandy SILT (ML), mps 1.0 in., layered structure, no odor, moist, 10% ash, trace cinders, trace brick PID = 0.0/0.3 ppm				15	15	70				
	10 8 4 4	S4 9	7.3 9.3		ML	Similar to above except medium dense, wet PID = 0.0/0.2 ppm										
				8.3		-FILL-										
	3 3 5 8	S5 12	9.3 11.3	9.0	OL-OH	Loose dark brown sandy ORGANIC SOIL (OL-OH), mps 1.0 in., no structure, no odor, wet, trace wood fibers, brick, appears to be disturbed PID = 0.0/0.0 ppm					30	70				
10						-FILL-										
				6.3												
	7 6 4 4	S6 10	11.3 13.3	11.0	SP-SM	Loose olive-gray poorly graded SAND with silt and gravel (SP-SM), mps 1.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm	10	10	20	20	30	10				
	5 2 2 3	S7 0	13.3 15.3			Note: No recovery. Two attempts, including use of 3-in. spoon on second attempt.										
						-FILL-										
15	3 2 2 2	S8 0	15.3 17.3			Note: No recovery. Two attempts, including use of 3-in. spoon on second attempt.										
				0.0 17.3		BOTTOM OF EXPLORATION 17.3 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	17.3
Rock Cored (ft)	-
Samples	S8

Boring No. A19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B20

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 29 December 2010
Finish 29 December 2010
Driller J. Galvin
H&A Rep. S. Shay
Elevation 17.1 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 11.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.6		-ASPHALT-										
				0.5												
	17 25 27 21	S1 12	1.1 3.1		SM	Very dense brown silty SAND with gravel (SM), mps 1-1/8 in., no structure, no odor, wet from drilling asphalt PID = 0.0/0.0 ppm	5	10	10	10	40	25				
						-FILL-										
				14.1												
	63 35 54 25	S2 8	3.1 5.1	3.0	ML	Very dense dark brown sandy SILT (ML), mps 0.75 in., no structure, no odor, wet, 10% ash, trace brick PID = 0.0/0.0 ppm			5	10	15	70				
						-FILL-										
				12.1												
5	5 6 6 8	S3 14	5.1 7.1	5.0	SM	Medium dense gray to brown silty SAND (SM), mps 0.5 in., no structure, no odor, wet, 30% ash, 15% cinders PID = 0.0/0.2 ppm		10	15	20	20	35				
						-FILL-										
				10.1												
	11 7 4 4	S4 16	7.1 9.1	7.0	SM/ ML	Similar to above except with dark brown irregular silt pockets, 20% ash, 5% cinders, trace brick PID = 0.0/0.2 ppm				25	25	50				
						-FILL-										
				8.1												
10	10 2 1 2	S5 10	9.1 11.1	9.0	ML	Soft dark gray-brown sandy SILT with 30-40% ash (ML), mps 0.25 in., no structure, no odor, wet PID = 0.0/0.2 ppm			5	10	25	60				
						-HYDRAULIC FILL-										
	3 1 1 4	S6 10	11.2 13.1		ML	Very soft dark gray to black sandy SILT (ML), mps 1-1/8 in., no structure, no odor, wet, 20-30% ash PID = 0.0/0.0 ppm		5	5	10	30	60				
				4.0 13.1		BOTTOM OF EXPLORATION 13.1 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/29/10	1300	5 min.*	11.0	13.1	8.2*
		*Not stable			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.1
Rock Cored (ft) -
Samples S6

Boring No. B20

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B21

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	14 January 2011
Finish	14 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 4.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.5 / 0.5		-ASPHALT-										
				15.5 / 1.5		Note: Drill action indicates rubble from 1.5 to 3.0 ft. -RUBBLE FILL- Note: Approximate former ground surface.										
				14.5 / 2.5		-PROBABLE ASPHALT EM-1 CAP-										
	12* 4*	S1 6	3.0 4.0	14.0 / 3.0	SM	Loose dark brown silty SAND (SM), mps 1.0 in., no structure, no odor, wet, 10% cinder, ash, slag, brick PID = 0.0/0.0 ppm	5	5	5	15	45	25				
	12* 7*	S2 6	4.0 5.0		SM	Loose brown silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, wet, 20% cinders, ash, brick	5	10	10	15	30	30				
5	25* 12* 5* 4*	S3 6	5.0 7.0		SM	Similar to above except medium dense PID = 0.0/0.0 ppm -FILL-	5	10	10	15	30	30				
	6* 4* 2* 2*	S4 4	7.0 9.0		SM	Similar to above except loose PID = 0.0/0.0 ppm	5	10	10	15	30	30				
				8.0 / 9.0		BOTTOM OF EXPLORATION 9.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/14/11	1045	0.25	4.0	9.0	6.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	9.0
Rock Cored (ft)	-
Samples	S4

Boring No. B21

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B7

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	14 January 2011
Finish	14 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	18.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 6.0 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.2		-ASPHALT-										
	79 92 100/2"	NR 0	0.8 2.0	0.8		Note: No recovery; possibly pushing gravel piece. No recovery with 3-in. spoon.										
	25* 19* 19* 24*	S2 16	2.0 4.0		SM	Dense gray silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 10% brick specks, cinders and ash, 10% concrete fragments PID = 0.0/0.0 ppm		15	15	20	35	15				
				14.0		-FILL-										
	31 26 20 20	S3 8	4.0 6.0	4.0	ML	Dense dark brown sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, 10% wood, 5% brick, trace glass, ash, cinders PID = 0.0/0.0 ppm		5	5	10	30	50				
5						-FILL-										
	12 16 9 8	S4 10	6.0 8.0		ML	Similar to above except medium dense, possible sheen PID = 0.0/0.0 ppm										
				11.0 7.0	SM	Medium dense gray brown CINDERS and ASH, 30% silty SAND (SM), mps 0.5 in., no structure, no odor, moist to wet PID = 0.0/0.0 ppm		10	30	20	20	20				
	13 12 9 3	S5 7	8.0 10.0		SM	Similar to above, possible sheen		10	30	15	20	25				
						-FILL-										
10				8.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										

Note: Grouted boring to surface upon completion.
*indicates 300-lb hammer used to drive split spoon.

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/14/10	1100	0.1	6.0	10.0	7.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	10.0
Rock Cored (ft)	-
Samples	S5

Boring No. B7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B8

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	14 January 2011
Finish	14 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	18.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 8.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.5		-ASPHALT-										
				0.5		Note: Advanced borehole to 3.0 ft unsampled.										
						-FILL-										
				16.0		Note: Approximate former ground surface.										
				2.0		-PROBABLE ASPHALT EM-1 CAP-										
				15.4												
				2.6												
	10* 22*	S1 4	3.0 4.0		SW-SM	Very dense brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, wet, trace wood PID = 0.0/0.0 ppm	5	10	15	20	40	10				
5	35* 48* 48* 40*	S2 14	4.0 6.0		ML	S2: Very dense gray to brown sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, 10% cinders, ash PID = 0.0/0.0 ppm	5	5	5	10	15	60				
	6* 12* 4* 4*	S3 10	6.0 8.0		ML	Similar to above except dense PID = 0.0/0.0 ppm		5	5	10	20	60				
						-FILL-										
	9* 3* 4* 4*	S4 12	8.0 10.0		SM	Medium dense brown silty SAND (SM), mps 0.5 in., no structure, no odor, wet, 20% cinders, ash PID = 0.0/0.0 ppm		5	10	20	40	25				
10	2 3 3 5	S5 8	10.0 12.0		SM	Similar to above except loose PID = 0.0/0.0 ppm		5	10	15	35	35				
				6.0 12.0		BOTTOM OF EXPLORATION 12.0 FT										
						Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/14/11	0930	0.25	8.0	12.0	3.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	12.0
Rock Cored (ft)	-
Samples	S5

Boring No. B8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. C11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	17 December 2010
Finish	17 December 2010
Driller	C. Tucker
H&A Rep.	M. Dodson
Elevation	21.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 on ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Safety Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	7 7 9 10	S1 18	0.0 2.0	20.6 0.4	GP	Gray poorly graded GRAVEL (GP)										
					SM	PID = 0.0/0.0 ppm Medium dense gray-brown silty SAND (SM), mps 1.375 in., no structure, no odor, moist, 5% brick fragments/specks, trace cinders and ash, trace coal-like material	5	5	15	15	35	25				
				19.0		-FILL-										
	12 4 120	S2 13	2.0 3.5	2.0	SM	S2: Medium dense gray silty/clayey SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 10% brick and concrete fragments, 5% cinders and ash PID = 0.0/0.0 ppm		15	15	20	20	30				
				17.5		-FILL-										
				3.5 17.1 3.9		Note: Approximate former ground surface. -ASPHALT EM-1 CAP-										
	115	S3 3	4.5 5.0		SM	S3: Very dense light gray-brown silty SAND (SM), mps 0.6 in., no structure, no odor, moist, 20% concrete fragments, 5% brick specks/fragments PID = 0.0/0.0 ppm		10	20	25	30	15				
5				15.0												
	65 97	S4 8	6.0 7.0	6.0	SP	S4: Similar to above except not silty PID = 0.0/0.0 ppm		10	3	20	25	5				
	120	S5 3	7.0 7.5	14.0 7.0 13.5 7.5	SM	S5: Similar to above PID = 0.0/0.0 ppm	5	5	25	20	30	15				
					ML	Note: Rollerbit obstruction at 7.0 to 7.5 ft. -FILL-										
	32 14 13 15	S6 18	8.0 10.0	12.4 8.6	ML	Dark brown sandy SILT (ML), 10% wood fibers, ash, cinders Medium dense yellow-brown-tan sandy SILT (ML), mps 3 mm, layered, no odor, wet PID = 0.0/0.0 ppm					45	55				
10	9 7 7 7	S7 12	10.0 12.0		ML	Similar to above with occasional black cinders, clinkers and ash layers PID = 0.0/0.0 ppm -HYDRAULIC FILL-					50	50				
	8 7 8 5	S8 10	12.0 14.0		ML	Similar to above PID = 0.0/0.0 ppm					45	55				
				8.0 13.0	SM	Medium dense dark gray ASH and CINDERS, approximately 25% silty sand, no structure, no odor, wet										
	7 5 4	S9 6	14.0 15.5		SM	Loose dark gray silty SAND with gravel (SM), ms 0.5 in., no structure, no odor, wet, 25% cinders and ash, trace clinkers, brick and concrete specks -FILL-		25	30	20	10	15				
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.5
Rock Cored (ft)	-
Samples	S11

Boring No. C11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C11

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15																
	7 4 2 10	S10 9	15.5 17.5		SM	Similar to above except trace metal		20	35	20	10	15				
	8 6 3 8	S11 10	17.5 19.5		SM	Similar to above except 35-40% ash and cinders -FILL-	10	25	25	15	10	15				
				1.5 19.5		BOTTOM OF EXPLORATION 19.5 FT Note: Borehole grouted to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C11

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C15a

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	21 December 2010
Finish	21 December 2010
Driller	C.Tucker
H&A Rep.	M. Dodson
Elevation	21.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 on ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Cat-Head/ Safety Hammer
PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	6 8 7 7	S1 3	0.0 2.0	20.6 0.4	GP	Gray poorly graded GRAVEL (GP)										
					SM	Medium dense gray brown silty SAND with gravel (SM), mps 0.9 in., no structure, no odor, moist, 5% brick and concrete fragments PID = 0.0/0.0 ppm		15	20	15	35	15				
	8 6 5 6	S2 11	2.0 4.0		SM	Medium dense gray brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, wet below 3.0 ft, trace cinders and ash PID = 0.0/0.0 ppm	5	10	15	20	35	15				
						Note: Approximate former ground surface.										
				16.9 4.1		-ASPHALT EM-1 CAP-										
5	85/5"* 25/1"	S3 4	5.0 6.0	16.5 4.5	SW	Very dense light gray well graded SAND with gravel (SW), mps 0.6 in., no structure, no odor, moist, fractured concrete PID = 0.0/0.0 ppm		20	30	30	15	5				
						-FILL-										
	16* 16* 17*	S4 19	7.0 9.0		ML	Dense brown yellow red sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, 15% cinders and ash, trace brick, glass PID = 0.0/0.0 ppm		10	10	10	2-	50				
10	8* 6* 5* 6	S5 6	9.0 11.0	12.0 9.0	SM	Medium dense gray to red yellow brown CINDERS and ASH, 25% silty SAND, 5% metal scrap/clinkers, no structure, no odor, moist		15	30	20	15	20				
	5* 3* 5* 7*	S6 16	11.0 13.0		ML	Similar to above except loose, 40% sandy SILT (ML), wet		10	10	10	15	55				
						-FILL-										
	5* 2* 4* 4*	S7 6	13.0 15.0		SM	Loose gray CINDERS, ASH, CLINKERS, 15% silty SAND (SM), mps 1.0 in., no structure no odor, wet PID = 0.0/0.0 ppm										
15	4* 2* 1* 1*	S8 10	15.0 17.0		SM	Very loose black silty SAND (SM), mps 2.0 in. (wood fragment), no structure, no odor, wet, 20% wood fragments , trace brick specks, 15% cinders and ash, fines moderately organic PID = 0.0/0.0 ppm		5	10	20	30	35				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	28.0
Rock Cored (ft)	-
Samples	S14

Boring No. C15a

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C15a

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	3* 2* 2* 3*	S9 13	17.0 19.0	3.0		Similar to above except 20% porcelain and glass -FILL-										
				18.0	CL	Medium stiff olive gray lean CLAY (CL), mps 0.5 in., disturbed, no odor, moist, trace shell and brick specks PID = 0.0/0.0 ppm				5	15	80				
	3 2 3 4	S10 12	19.0 21.0		CL/ OL- OH	-HYDRAULIC FILL- S10: Similar to above except interbedded with black ORGANIC SOIL (OL-OH), mps 1.0 in. (wood), 20% wood fibers, trace glass and porcelain PID = 0.0/0.0 ppm		5	5	5	20	65	N	L	L	
20	2* 1* 1* 2*	S11 22	21.0 23.0		CL/ OL- OH	Similar to above except soft, moderate petroleum/industrial odor PID = 2.0/0.0 ppm -HYDRAULIC FILL-	5		5		10	80	N	L	L	
	2 1 2 1	S12 23	23.0 25.0	-2.5 23.5	OL- OH	Olive gray ORGANIC SOIL (OL-OH), mps < 1 mm, weakly laminated, 10% peat fibers, trace shell specks/fragments PID = 0.0/0.0 ppm						100	N	L	M	
25	1 1 2 1	S13 24	25.0 27.0		OL- OH	Similar to above PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100	N	L	M	
	1 2 1 1	S14 24	27.0 29.0		OL- OH	Similar to above PID = 0.0/0.0 ppm						100	N	L	M	
				-8.0 29.0		BOTTOM OF EXPLORATION 29.0 FT Note: Borehole grouted to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. C15a

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C21

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	21 December 2010
Finish	21 December 2010
Driller	C. Tucker
H&A Rep.	M. Dodson
Elevation	20.4 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Safety Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	8* 6* 5* 4*	S1 18	0.0 2.0	20.0 0.4	GP	Gray poorly graded GRAVEL (GP)	10	80	10							
					SC/SM	Medium dense gray clayey/silty SAND with gravel (SC/SM), mps 1.2 in., no structure, no odor, moist, 10% brick fragments, trace cinders and concrete	5	15	5	15	25	35				
	4 9 7 9	S2 11	2.0 4.0		SC/SM	Similar to above -FILL-										
	16* 100/3"*	S3*	4.0 4.8	15.7		Similar to above except dense, asphalt in spoon tip Note: Approximate former ground surface.										
				4.7		-ASPHALT EM-1 CAP-										
5	21* 16* 16* 9*	S4* 13	5.0 7.0	15.4 5.0	SM	Dense dark brown to gray-brown-yellow silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, moist, 20% cinders and ash, 5% clinkers, trace coal, glass, wood	5	15	10	15	25	30				
	8 7 4	S5 6	7.0 8.4		SM	Similar to above except medium dense	5	15	10	20	20	30				
	5* 3* 3* 4*	S6* 11	8.4 10.4		SM	Loose dark gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist to wet, approximately 25 to 30% cinders, ash, clinkers, 5 to 10% brick and glass, trace metal		20	25	25	10	20				
10	15 14 7 4	S7 5	10.4 12.4		SM	Similar to above except medium dense -FILL-		15	30	25	15	15				
	3 4 4 3	S8 11	12.4 14.4	8.0 12.4	SM	Loose light gray-brown CINDERS and ASH, trace clinkers, 15% silty SAND with gravel (SM), mps 0.6 in.		5	30	35	20	10				
				6.0 14.4		BOTTOM OF EXPLORATION 14.4 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.4
Rock Cored (ft)	-
Samples	S8

Boring No. C21

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C6

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	10 January 2011
Finish	10 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	19.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 5.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	4 6 50/4"	S1 5	0.0 1.0	18.0 1.0	GP	Gray poorly graded GRAVEL (GP) PID = 0.0/0.0 ppm Note: No soil to collect for PCBs. Note: Approximate former ground surface.	20	75	5							
				17.6 1.4		-ASPHALT EM-1 CAP-										
	18 26 17* 15*	S1 17	2.0 4.0		ML	Gray sandy SILT with gravel (ML), mps 1.0 in., no structure, no odor, moist, 5% brick fragments, trace cinders and ash PID = 0.0/0.0 ppm -FILL-		15	10	15	15	45				
	12** 11**	S3 9	4.0 5.0	14.0	SM	Medium dense gray-brown concrete fragments and specks, approximately 30% silty SAND (SM) interbedded with 40% cinders and ash PID = 0.0/0.0 ppm	30	15	15	10	20	10				
5	4 5 5 12	S4 18	5.0 7.0	5.0	ML/ SM/ OL- OH	Dark gray-brown sandy SILT (ML) interbedded with yellow silty SAND (SM) and black ORGANIC SOIL (OL-OH), mps 0.3 in., no odor, moist to wet PID = 0.0/0.0 ppm -FILL-				15 5	25 60 20	60 40 75	R S	 N	 L	
	11 4 3 3	S5 16	7.0 9.0	12.0 7.0	SM	Loose light gray-brown CINDERS and ASH, no structure, no odor, moist, 20% silty SAND (SM) PID = 0.0/0.0 ppm -FILL-		10	25	20	25	20				
				10.0 9.0		BOTTOM OF EXPLORATION 9.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon **indicates 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/10/11	1105	0.25	5.0	9.0	8.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	9.0
Rock Cored (ft)	-
Samples	S5

Boring No. C6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C7

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	16 December 2010
Finish	16 December 2010
Driller	C. Tucker
H&A Rep.	M. Dodson
Elevation	21.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 on ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 8.0 ft
Hoist/Hammer: Cat-Head/ Safety Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	4 5 8 25	S1 9	0.0 2.0	20.2 0.8	GP	Loose gray poorly graded GRAVEL (GP)	20	75	5							
					SM	Medium dense gray silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, moist, trace cinders, ash, brick and concrete specks, coal-like material PID = 0.0/0.0 ppm		15	10	25	30	20				
	4 3 3 4	S2 7	2.0 4.0		SM/ CL	S2: Similar to above except loose, 20% sandy lean CLAY (CL) Note: Asphalt in wash. PID = 0.0/0.0 ppm		15	10	20	25	30				
				17.0		Note: Approximate former ground surface.										
				4.0 16.6 4.4		-ASPHALT EM-1 CAP-										
5	103	S3 3	4.6 5.1		SM	S3: Very dense light gray-brown well-graded SAND with silt and gravel (SM), mps 1.2 in., no structure, no odor, moist, approximately 20% concrete fragments, 10% brick specks Note: Difficult advancement below 4.4 ft. PID = 0.0/0.0 ppm	10	15	30	25	10	10				
	40 61 45 100/0"	S4 16	6.0 7.5	14.5	SM	S4: Similar to above										
				6.5	SM	-FILL- Very dense dark brown silty SAND (SM), mps 0.7 in., no structure, no odor, moist, 10% wood fragments, 5% brick and concrete, trace cinders and ash		10	15	20	25	30				
				13.0 8.0	EH	Note: Drill action indicates steel and concrete at 7.5 ft. PID = 4.5/0.0 ppm -FILL-		5	10	15	20	50	R			
	12 8	S5 10	8.0 9.0		SM	S5: Very stiff light gray brown sandy elastic SILT (EH), mps 0.8 in., no structure, no odor, wet PID = 3.3/0.0 ppm										
10	3 4 5 3	S6 22	9.0 11.0	11.2 9.8		-HYDRAULIC FILL-	10	15	10	25	25	15				
				10.0 11.0		S6: Loose gray silty SAND with gravel (SM), mps 1.2 in., no structure, no odor, moist, approximately 35% cinders, ash, brick and concrete PID = 1.1/0.0 ppm -FILL-										
						BOTTOM OF EXPLORATION 11.0 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	11.0
Rock Cored (ft)	-
Samples	S6

Boring No. C7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C8

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	16 December 2010
Finish	16 December 2010
Driller	C. Tucker
H&A Rep.	M. Dodson
Elevation	21.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 on ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven
Hoist/Hammer: Cat-Head/ Safety Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	7 40	S1 5	0.0 1.0	20.5 0.5	GP	Medium dense gray poorly graded GRAVEL (GP) PID = 0.3/0.0 ppm	15	75	10							
	32 25 25 23	S2 16	1.0 3.0		SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist PID = 1.0/0.1 ppm	15	15	15	15	25	15				
						-FILL-										
	26 20 120	S3 11	3.0 4.5		SM	Similar to above except ASPHALT just above spoon tip PID = 0.3/0.3 ppm										
				17.0 4.0		Note: Approximate former ground surface.										
				16.7 4.3		-ASPHALT EM-1 CAP-										
5	28 25 105	S4 16	5.0 6.5		SM	Very dense dark brown silty SAND (SM), high % of brick in top half of recovery, below is 10% wood fragments, 10% brick and concrete fragments, trace cinders and ash PID = 1.3/0.5 ppm		10	15	10	35	30				
				14.0 7.0		-FILL-										
	19 10 7 14	S5 13	7.0 9.0		ML/ EH	Very stiff light tan-brown-gray sandy SILT/ elastic SILT (ML/EH), mps 1 mm, disturbed, no odor, wet PID = 3.8/0.0 ppm				5	40	55				
						-HYDRAULIC FILL-										
10	6 3 11 11	S6 7	9.0 11.0		CL/ OL- OH	Stiff dark gray-brown to gray lean CLAY (CL) interbedded with with ORGANIC SOIL (OL-OH) PID = 0.7/0.0 ppm				5	5	90	N	L	L	
				10.0 11.0												
	2 3 2 2	S7 3	11.0 13.0		SM	3-in. recovery of gray CINDERS and ASH, 25% silty SAND, trace brick specks, metal PID = 0.3/0.0 ppm										
						-FILL-										
	4 4 2 2	S8 NR	13.0 15.0		SM	No Recovery - made 2 attempts with 3-in. spoon with 5 in. recovery of cinders on 2nd attempt PID = 0.0/0.0 ppm										
15	5 3 2 3	S9 6	15.0 17.0		SM	Loose dark gray CINDERS and ASH, 30% silty SAND, 5% brick and concrete fragments, 15% organic soil, faint petroleum-like odor PID = 1.0/0.3 ppm										
	5 7 5 6	S10* 16	17.0 19.0		SM	Similar to above PID = 1.3/0.3 ppm										
						-FILL-										
				2.0 19.0		BOTTOM OF EXPLORATION 19.0 FT										
						Note: Borehole grouted to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	18.0
Rock Cored (ft)	-
Samples	S10

Boring No. C8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. C9

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	10 January 2011
Finish	11 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	21.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 8.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-ASPHALT-										
				0.5		Note: No sampling required until 4.6 ft. -FILL- Note: Approximate former ground surface.										
				17.0												
				4.0		-PROBABLE ASPHALT EM-1 CAP-										
				16.6												
				4.4		Note: Very difficult drilling in probable concrete fragments. -FILL-										
5	58 62 59 48	S1 18	5.0 7.0		SW	S1 top: Very dense light gray well-graded SAND with gravel (SW), mps 1.375 in., no structure, no odor, moist PID = 0.0/0.0 ppm	20	30	25	14	5	5				
				15.0												
				6.0	SM	S1 bottom: Very dense dark brown-black silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist, 5% wood fragments, trace glass, cinders, metal scrap	5	15	10	10	35	25				
	50/1"*	NR 0	7.0 8.0			Note: Refusal on steel; move 5.0 ft, continue hole at 7.0 ft, obstruction to 8.0 ft. -FILL-										
				13.0												
	60** 35**	S2 9	8.0 9.0	8.0	ML	Very dense olive-gray to black silty SAND (SM) interbedded with sandy SILT (ML), mps 1.0 in., no odor, moist, 10% cinders and ash, trace metal and clinkers	5	5	5	10	35	40				
	22 17 13 16	S3 12	9.0 11.0		ML	PID = 0.0/0.0 ppm S3: Medium dense yellow sandy SILT (ML), mps <1 mm, very thickly bedded, no odor, wet PID = 0.0/0.0 ppm					35	65				
10						-HYDRAULIC FILL-										
	12 4 3 8	S4 13	11.0 13.0		ML	S4 top: Similar to above										
				9.0												
				12.0	SM	S4 bottom: Loose black CINDERS and ASH, 10% coal-like material and clinkers, 10% silty SAND (SM) -FILL-		10	20	25	30	15				
				8.0												
				13.0		BOTTOM OF EXPLORATION 13.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon **indicates 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/11/11	1110	0.1	8.0	13.0	9.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	-
Samples	S4

Boring No. C9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D12

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 17 December 2010
Finish 20 December 2010
Driller J. Galvin
H&A Rep. S. Shay
Elevation 21.1 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile Drill B-57
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.8 / 0.3		-ASPHALT-										
						-FILL-										
	20 24 37 43	S1 20	1.0 3.0		SP	S1, top 10 in.: Very dense dark gray poorly graded SAND (SP), mps 1/16 in., no structure, no odor, wet from drilling PID = 0.0/0.0 ppm			20	70	10					
					SM	S1, bottom 10 in.: Very dense dark gray silty SAND with gravel (SM), mps 3/4 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm	5	15	10	10	25	35				
	33 37 120/4"	S2 9	3.0 5.0		SM	S2: Very dense dark gray silty SAND (SM), mps 1/2 in., no structure, no odor, wet, 5% brick PID = 0.3/0.0 ppm		10	10	10	40	30				
				16.8 / 4.3												
5				16.4 / 4.7		Note: Approximate former ground surface.										
						-PROBABLE ASPHALT EM-1 CAP-										
	35 120/4"	S3 0	5.0 7.0			S3: No recovery Note: Obstruction 5.4 - 6.0 ft. Possible granite block										
	35 53 80 78	S4 20	7.0 9.0		SP	S4, top 10 in.: Very dense yellow brown poorly graded SAND (SP) PID = 0.0/0.0 ppm			5	80	15					
					SM	S4, bottom 10 in.: Very dense dark brown silty SAND with gravel (SM), mps 1 1/8 in., no structure, no odor, wet, trace brick PID = 0.0/0.0 ppm	5	10	10	10	35	30				
10	19 22 13 24	S5 18	9.0 11.0		SM	S5: Dense black silty SAND with gravel (SM), mps 1 1/8 in., no structure, no odor, wet, trace wood, trace brick PID = 0.0/0.0 ppm	10	10	15	15	25	25				
	15 4 8 10	S6 12	11.0 13.0			Similar to above except loose										
	13 11 4 3	S7 12	13.0 15.0													
15	12 5 3 4	S8 16	15.0 17.0	6.1 / 15.0	SM	Loose dark gray CINDERS and ASH, 25% silty SAND, trace clinkers, trace sheen		20	30	20	15	15				
						-FILL-										
	4 4 4 6	S9 17	17.0 19.0		SM	Similar to above except black ORGANIC SOIL at 18.3 - 18.6 ft, and lean CLAY at 18.6 - 19.0 ft										
				2.8 / 18.3	OL-OH											
				2.5 / 18.6	CL											
				2.1 / 19.0		BOTTOM OF EXPLORATION 19.0 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/10/2010	0705	65	15.0	15.0	10.1

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 19.0
Rock Cored (ft) -
Samples S9

Boring No. D12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D16

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	17 December 2010
Finish	20 December 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	21.2
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile Drill B-57
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Spun to 19.2 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.6 0.6		-ASPHALT-										
						Note: Advanced Borehole to 5.0 ft unsampled.										
5	16 23 12 12	S1 14	5.2 7.2		SM	Dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, dry, 15% brick, wood, ash PID = 0.0/0.0 ppm	5	10	5	20	40	20				
	32 13 15 15	S2 12	7.2 9.2		SM	-FILL- Similar to above except medium dense, 20% ash and cinders PID = 0.0/0.0 ppm	5	10	10	15	40	20				
10	7 3 5 20	S3 6	9.2 11.2		ML	Loose brown sandy SILT (ML), mps 0.5 in., no structure, no odor, moist, 20% cinders, ash, brick PID = 0.0/0.0 ppm		5	10	10	15	60				
	16 10 7 9	S4 12	11.2 13.2		ML	Similar to above except medium dense PID = 0.0/0.0 ppm		5	5	10	25	55				
	12 5 5 5	S5 12	13.2 15.2		ML	Similar to above except loose, trace metal PID = 0.0/0.0 ppm		5	5	10	20	55				
15	6 5 5 8	S6 3	15.2 17.2		ML	Similar to above PID = 0.0/0.0 ppm		5	5	15	20	55				
	6 3 14 15	S7 3	17.2 19.2	4.0 17.2	OL-OH	Stiff gray sandy ORGANIC SOIL with gravel (OL-OH), mps 1.0 in., no structure, no odor, trace metal, brick, grass, rope PID = 1.0/1.0 ppm	5	10	5	5	10	65				
20	4 2 3 2	S8 4	19.2 21.2		CL	Medium stiff gray sandy lean CLAY (CL), mps 0.25 in., no structure, no odor, wet, trace organic soil, wood, brick, metal		5	5	10	15	65				
	1/12"* 1* 2*	S9 20	21.2 23.2		CL	Similar to above PID = 0.6/0.6 ppm -HYDRAULIC FILL-				10	20	70				
				-2.0 23.2		BOTTOM OF EXPLORATION 23.2 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.2
Rock Cored (ft)	-
Samples	S9

Boring No. D16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D20

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 20 December 2011
Finish 20 December 2011
Driller D. Sheldon
H&A Rep. B. Babcock
Elevation 20.7
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile Drill B-57
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun 12.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.1		-ASPHALT-										
				0.6		Note: Advanced Borehole to 6.7 ft unsampled.										
5																
	16 9 8 10	S1 12	6.7 8.7		ML	Medium dense gray brown sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, 20% cinders, slag, ash, wood, miscellaneous debris PID = 0.0/0.0 ppm		5	10	15	15	55				
	16 15 37 15	S2 4	8.7 10.7		ML	Similar to above except very dense, trace wood PID = 0.0/0.6 ppm		5	10	15	15	55				
10					ML	-FILL-										
	15 6 12 10	S3 6	10.7 12.7		SM	Medium dense brown with gray silty SAND (SM), mps 0.5 in., no structure, no odor, wet, 20% miscellaneous debris PID = 0.6/1.0 ppm	5	5	10	20	40	20				
	6 4 4 5	S4 6	12.7 14.7		SM	Similar to above except loose PID = 0.0/0.6 ppm	5	5	10	20	40	20				
				6.0 14.7		BOTTOM OF EXPLORATION 14.7 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.7
Rock Cored (ft) -
Samples S4

Boring No. D20

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D21

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	11 January 2011
Finish	11 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	20.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 11.0 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.1		-ASPHALT-										
				0.4		Note: No sampling required until 5.0 ft.										
						-FILL-										
5	28 24 28 26	S1 4	5.0 7.0		SM	Very dense gray-brown silty SAND (SM), mps 1.0 in., no structure, no odor, moist, trace wood fibers PID = 0.0/0.0 ppm	5	5	10	10	30	40				
				13.5												
	12 8 9 2	S2 11	7.0 9.0	7.0	SM	Medium dense gray-brown 60% CINDERS, CLINKERS, and ASH, 40% silty SAND with gravel (SM), mps 1.1 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	15	15	20	20	25				
10	8 9 8 5	S3 8	9.0 11.0		SM	Similar to above except 15% silty SAND with gravel (SM), wet below approximately 10.0 ft PID = 0.0/0.0 ppm										
						-FILL-										
	8 9 8 5	S4 12	11.0 12.4		SM	Similar to above except slight petroleum-like odor PID = 0.0/0.0 ppm	5	20	20	15	20	20				
	3 3 3 3	S5 10	12.4 14.4		SM	Loose gray-brown/light brown CINDERS, ASH, and CLINKERS, 40% silty SAND (SM), mps 1.2 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	5	10	30	35	15				
				6.1 14.4		BOTTOM OF EXPLORATION 14.4 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/13/11	0700	40.0	11.0	14.4	13.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.4
Rock Cored (ft)	-
Samples	S5

Boring No. D21

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D8a

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	15 December 2010
Finish	15 December 2010
Driller	C. Tucker
H&A Rep.	M. Dodson
Elevation	19.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 on ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 17.0 ft
Hoist/Hammer: Cat-Head/ Safety Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	5 6 29 100/3"	S1 10	0.0 1.8	18.5 0.5	GP	Loose gray poorly graded GRAVEL (GP) PID = 6.6/1.0 ppm	10	90								
				17.5 1.5	CL	Hard light gray-brown sandy lean CLAY (CL), mps 1.0 in., no structure, no odor, moist -FILL-										
	90 100/3"	S2* 7	2.1 2.9	17.0 2.0	SM	Note: Bottom 3.0 in. concrete. -CONCRETE- Very dense gray-brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist, trace brick fragments. Note: Drill action indicates concrete from 2.9 to 3.7 ft. PID = 0.0/0.0 ppm	10	10	10	20	35	15				
	39 25	S3 10	4.0 5.0	15.3 3.7 15.0 4.0	SC/ OL-OH	-FILL- Note: Approximate former ground surface. -ASPHALT EM-1 CAP- Very dense clayey SAND (SC) interbedded with dark brown sandy ORGANIC SOIL with gravel (OL-OH) PID = 2.0/1.1 ppm	5	15	5	15	15	45				
5	32 29 24 36	S4 13	5.0 7.0			Similar to above PID = 1.5/0.7 ppm										
	22 15 11 15	S5 8	7.0 9.0	12.0 7.0	SP	-FILL- Medium dense olive-gray poorly graded SAND (SP), mps 0.3 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	15	40	35	5				
	6 6 9 8	S6 9	9.0 11.0	10.0 9.0	CL	-FILL- Stiff olive-gray-brown lean CLAY with sand (CL), interbedded with 50% CINDERS, ASH and BRICK FRAGMENTS, no odor, wet PID = 0.0/0.0 ppm		5	5	5	10	75	N	L	L	
10	12 7 5 7	S7 10	11.0 13.0	8.0 11.0	CL/ SP	-FILL- Similar to above except 25% poorly graded SAND with gravel PID = 0.0/0.0 ppm	5	10	10	10	25	40				
	2 2 4 4	S8 7	13.0 15.0		SM	Loose dark gray CINDERS, ASH, CLINKERS, 20% silty/clayey SAND, 10% wood fibers PID = 1.0/0.6 ppm -FILL-										
15	3 4 6 12	S9 6	15.0 17.0		SM	Similar to above PID = 0.7/0.3 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.0
Rock Cored (ft)	-
Samples	S10

Boring No. D8a

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D8a

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	5 7 10 11	S10** 14	17.0 19.0	1.0	SM	Similar to above, primarily cinders, 15% wood fibers -FILL-	10	35	25	10	10	10				
				18.0	OL-OH	Stiff dark gray sandy ORGANIC SOIL (OL-OH), trace sheen, strong petroleum-like and creosote-like odors, wet, 20% wood fibers, trace metal PID = 32.5/1.0 ppm		5		5	15	85				
				0.0 19.0		-HYDRAULIC FILL-										

BOTTOM OF EXPLORATION 19.0 FT

Note: Grouted boring to surface upon completion.

*indicates 3-in. spoon used to obtain sample

**indicates 300-lb hammer used to drive split spoon

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. D8a

HALEY & ALDRICH

TEST BORING REPORT

Boring No. D9

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 15 December 2010
Finish 15 December 2010
Driller J. Galvin
H&A Rep. S. Shay
Elevation 20.9 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	17 25	S1 10	0.0 1.0		SW	Dense well-graded SAND with gravel (SW), mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	15	25	25	20	5				
	30 18 1 11	S2 10	1.0 3.0		SW	Similar to above PID = 0.0/0.0 ppm -FILL-	10	15	25	25	20	5				
	12 13 100/3"	S3 5	3.0 4.2	17.9 3.0	SM	Medium dense gray silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	10	10	15	4	20				
				16.7 4.2		Note: Approximate former ground surface.										
5				16.2 4.7		-PROBABLE ASPHALT EM-1 CAP-										
	60 64 6 43	S4 16	5.0 7.0		SP-SM	Very dense brown poorly graded SAND with silt and gravel (SP-SM) PID = 0.0/0.2 ppm -FILL-	5	10	5	5	65	10				
	100/3"	S5 3	7.0 7.3	13.9 7.0	SP	Very dense gray poorly graded SAND with gravel (SP), mps 0.5 in., no structure, no odor, wet PID = 0.0/0.2 ppm	10	10	30	35	10	5				
				12.9 8.0		Note: Obstruction at 7.3 to 8.0 ft.										
10	16 10 8 7	S6 12	9.0 11.0		SW-SM	Medium dense gray well-graded SAND with silt and gravel (SW-SM), mps 0.75 in., no structure, no odor, wet PID = 0.0/0.0 ppm -FILL-	5	10	25	25	25	10				
	7 10 11 8	S7 14	11.0 13.0	9.9 11.0	CL/ OL-OH	Medium dense top 7 in. yellow-brown disturbed CLAY with bottom 7 in. dark brown sandy ORGANIC SOILS (CL/ OL-OH), mps 0.25 in., well-defined color change/soil type within sample, no odor, wet PID = 0.0/0.0 ppm					30	70				
	6 5 5 6	S8 15	13.0 15.0	7.9 13.0	SP	Medium dense gray poorly graded SAND with gravel (SP), mps 0.5 in., no structure, no odor, wet, trace ash, trace clinkers, trace glass PID = 0.0/0.0 ppm -FILL-	5	10	20	40	20	5				
15	7 8 4 6	S9 14	15.0 17.0		SP	Similar to above PID = 0.0/0.0 ppm										
	4 6	S10 10	17.0 18.0		SP	Similar to above PID = 0.0/0.0 ppm -FILL-										
				2.9 18.0		BOTTOM OF EXPLORATION 18.0 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/15/10	1330		15.0	18.0	9.4

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 18.0
Rock Cored (ft) -
Samples S10

Boring No. D9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E15

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	10 January 2011
Finish	10 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	21.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 19.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	18* 19*	S1 6	0.5 1.5	0.5	SM	Very dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm	5	10	5	10	40	30				
	30* 13* 11* 6*	S2 12	1.5 3.5		SM	Similar to above except dense PID = 0.0/0.0 ppm	5	10	5	10	40	30				
						-FILL-										
	10* 13* 34* 50*	S3 12	3.5 5.5		SM	Similar to above except very dense Note: Asphalt in tip of spoon. PID = 0.0/0.0 ppm	5	10	10	15	30	30				
5				16.0		Note: Approximate former ground surface.										
				5.5 15.5		-ASPHALT EM-1 CAP-										
				6.0		Note: Brick and cobbles/rubble from 6.0 to 7.0 ft. -FILL-										
	39* 23* 18* 15*	S4 10	7.5 9.5		GW	Very dense gray with brown well-graded GRAVEL (GW), mps 1.5 in., no structure, no odor, wet, 20% brick, concrete PID = 0.0/0.0 ppm	50	40	5	5						
10	29* 16* 9* 13*	S5 10	9.5 11.5		GW	Similar to above PID = 0.0/0.0 ppm	50	40	5	5						
	10* 21* 8* 5*	S6 12	11.5 13.5		SM	Very dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 10% brick, concrete PID = 0.0/0.0 ppm	5	15	5	10	35	30				
15	100/0"	NR 0	14.0 14.0			Note: Wood, metal brick in wash/cuttings from 11.5 to 16.5 ft.										
	3 1 2	S7 6	16.0 17.5	5.5 16.0	OL-OH	Soft dark brown ORGANIC SOIL with sand (OL-OH), mps 0.5 in., foul odor, wet, occasional pockets of clay, reworked PID = 0.4/0.0 ppm				10	15	75				
						-HYDRAULIC FILL-										
	2 2 3 2	S8 24	17.5 19.5		OL-OH	Similar to above except medium stiff PID = 0.6/0.0 ppm				10	15	75				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/10/11	1230	0.25	19.0	23.5	3.2*

*Not stable

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.5
Rock Cored (ft)	-
Samples	S10

Boring No. E15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. E15

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 3 4 4	S9 12	19.5 21.5		OL- OH	Similar to above except 20% cinders, ash, wood, metal PID = 0.4/0.0 ppm -HYDRAULIC FILL-				10	15	75				
	2 2 4 5	S10 20	21.5 23.5		OL- OH	Similar to above PID = 0.4/0.0 ppm										
				-2.0 23.5		BOTTOM OF EXPLORATION 23.5 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

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TEST BORING REPORT

Boring No. E18

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	7 January 2011
Finish	7 January 2011
Driller	D. Sheldon
H&A Rep.	O. Lawlor
Elevation	21.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 16.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.7 0.3		-ASPHALT-										
						Note: Advanced boring to 5.0 ft to begin environmental sampling.										
5	100/0"	NR 0	5.0 10.0			Note: Drilled through granite, concrete, metal from 5.0 to 9.0 ft. PID = 0.0/0.0 ppm										
						-FILL-										
10	16 11 13 8	S1 9	10.0 12.0		GP	Medium dense poorly graded GRAVEL with sand (GP), 30% cinder, concrete, mps 0.75 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	40	30	10	10					
				9.0 12.0		Note: Approximate former ground surface.										
	7 6 4 4	S2 13	12.0 14.0		OL-OH	Stiff dark brown ORGANIC SILT (OL-OH), trace wood, cinders, mps 0.5 in., no structure, organic odor, wet PID = 0.0/0.0 ppm	5	5	5	5	5	75				
15	4 3 4 4	S3 3	14.0 16.0		OL-OH	Medium stiff dark brown sandy ORGANIC SILT (OL-OH), trace wood, mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm										
						-HYDRAULIC FILL-										
	2 3 3 2	S4 3	16.0 18.0		OL-OH	Similar to above PID = 0.0/0.0 ppm										
	1 3 2 2	S5 4	18.0 20.0		OL-OH	Similar to above PID = 0.0/0.0 ppm										
20				1.0 20.0		BOTTOM OF EXPLORATION 20.0 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/7/2011	1300	0.25	18.0	20.0	3.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	-
Samples	S5

Boring No. E18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	6 January 2011
Finish	6 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	21.6 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 19.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	38* 60*	S1 10	0.6 1.6	0.6	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, dry, trace brick, concrete PID = 0.0/0.0 ppm	5	10	10	15	40	20				
	39* 16* 100/3"*	S2 12	1.6 2.9		ML	Very dense gray-brown sandy SILT (ML), mps 0.5 in., no structure, no odor, dry, trace brick, gravel in tip of spoon PID = 0.0/0.0 ppm	5	5	10	10	20	50				
				18.7 2.9		-FILL-										
				17.6 4.0		-RUBBLE FILL/COBBLES-										
5	33 32	S3 6	4.6 5.6			-FILL-										
					ML	Very dense gray-brown sandy SILT with gravel (ML), mps 1.0 in., no structure, no odor, dry, trace wood, cinders, brick PID = 0.0/0.0 ppm	5	10	5	10	15	55				
	50/2"*	S4 2	5.6 5.8	15.8 5.8	ML	Similar to above, asphalt in tip of spoon PID = 0.0/0.0 ppm	5	10	5	10	15	55				
				14.5 7.1		Note: Approximate former ground surface.										
						-ASPHALT EM-1 CAP-										
	31 29 39 36	S5 14	7.6 9.6		SW-SM	Very dense light brown well-graded SAND with silt (SW-SM), mps 0.5 in., no structure, no odor, dry PID = 0.0/0.0 ppm	5	5	10	20	50	10				
						-FILL-										
10	26* 39* 50/5"*	S6 6	9.6 11.0		SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, trace brick, ash, concrete PID = 0.0/0.0 ppm	5	10	5	10	45	25				
	29* 13* 10* 11*	S7 12	11.6 13.6		SM	Dense gray-brown silty SAND (SM), mps 1.0 in., no structure, no odor, wet, 10% cinder, ash, brick PID = 0.0/0.0 ppm	5	5	10	15	45	20				
15	14 16 27 15	S8 14	13.6 15.6		ML	Dense light brown to gray-brown sandy SILT (ML), mps 0.5 in., no structure, no odor, wet, 5% ash, cinder PID = 0.0/0.0 ppm		5	5	10	15	65				
	16 13 17 10	S9 8	15.6 17.6		ML	Similar to above except medium dense PID = 0.0/0.0 ppm			5	10	15	70				
	8 10 8 10	S10 12	17.6 19.6		ML	Similar to above, 30% cinders, ash, wood, miscellaneous debris PID = 0.0/0.0 ppm		5	10	10	15	60				
						-FILL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/6/2011	1300	0.5	19.0	27.6	4.2*
		*Not stable			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.6
Rock Cored (ft)	-
Samples	S14

Boring No. F11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F11

File No. 12486-530
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Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	17 7 12 6	S11 4	19.6 21.6		ML	Similar to above PID = 0.0/0.0 ppm -FILL-			10	10	15	65				
				0.0 21.6												
	5 5 9 7	S12 20	21.6 23.6		CL	Stiff gray lean CLAY (CL), mps 0.25 in., reworked, faint petroleum odor, wet, trace wood, cinders PID = 1.2/0.0 ppm -HYDRAULIC FILL-					5	95				
	7 6 12 11	S13 12	23.6 25.6		OL-OH	Very stiff dark olive-gray ORGANIC SOIL with sand (OL-OH), mps <5 mm, no visible structure, faint organic odor, wet, trace cinders PID = 0.4/0.0 ppm					15	85				
25				-4.0 25.6												
	7 8 11 18	S14 20	25.6 27.6		OL-OH	Very stiff gray ORGANIC SOIL (OL-OH), mps <1 mm, frequent pockets of PEAT, strong organic odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-6.0 27.6		BOTTOM OF EXPLORATION 27.6 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F13

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	22 December 2010
Finish	22 December 2011
Driller	C.Tucker
H&A Rep.	B. Babcock
Elevation	21.8
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 15.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Safety Hammer PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.3		-ASPHALT-										
	29* 71* 95* 84*	S1 16	0.5 2.5	0.5	SM	Very dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, dry, trace brick, concrete PID = 0.0/0.0 ppm	10	10	15	15	25	25				
	34 25 13 15	S2 8	2.5 4.5		SM	Similar to above except dense, trace wood PID = 0.0/0.0 ppm -FILL-	5	10	10	20	25	30				
5	8* 14*	S3 10	4.5 5.8		SM	Dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick, wood, cinders PID = 0.0/0.0 ppm	5	10	15	15	25	25				
	17 22 31 100/1"	S4 8	5.8 7.4			Similar to above except very dense, occasional pockets of reworked clay, asphalt in tip of spoon PID = 0.0/0.0 ppm										
				14.4 7.4		Note: Approximate former ground surface.										
	100/3"*	NR	7.8 8.1	14.0 7.8		-ASPHALT EM-1 CAP- Note: No recovery. A 2.5-in. piece of gravel in tip of spoon.										
	56* 71*	S5 10	8.8 9.8		SM	S5: Very dense gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, trace brick, concrete, ash PID = 0.0/0.0 ppm	5	10	10	20	35	20				
10	58 49 59 26	S6 10	9.8 11.8		SM	S6: Very dense brown silty SAND (SM), mps 0.5 in., no structure, no odor, moist, trace cinder PID = 0.0/0.0 ppm		5	10	10	50	25				
	20 15 9 12	S7 12	11.8 13.8		SM	Similar to above except medium dense, 20% cinder, ash, slag, brick PID = 0.0/0.0 ppm	5	5	15	20	35	20				
15	4* 3* 4* 7*	S8 18	13.8 15.8		SM	Similar to above except loose PID = 0.0/0.0 ppm -FILL-	5	5	15	20	35	20				
	7 4 3 4	S9 8	15.8 17.8		SM	Similar to above PID = 0.0/0.0 ppm	5	5	15	20	35	20				
	4 4 3 6	S10 8	17.8 19.8		SM	Similar to above PID = 0.0/0.0 ppm	5	5	15	20	35	20				
				2.0 19.8		BOTTOM OF EXPLORATION 19.8 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer with 3-in. spoon used to obtain sample.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.8
Rock Cored (ft)	-
Samples	S10

Boring No. F13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F14

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	7 January 2011
Finish	7 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	21.7 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 13.7 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0					SM	Very dense light gray well graded SAND with gravel (SM), mps 1.2 in., no structure, no odor, moist, PID = 0.0/0.0 ppm	10	20	20	20	25	5				
	62 30	S1 9	0.7 1.7	20.5 1.2		-CRUSHED CONCRETE-										
	15 24 26 26	S2 5	1.7 3.7		ML	Dense gray sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, trace cinders, ash, brick specks, fines slightly elastic PID = 0.0/0.0 ppm	5	5	5	10	30	45				
	17 27 29 19	S3 17	3.7 5.7		ML	Similar to above except very dense, 5% brick specks and fragments PID = 0.0/0.0 ppm	5	5	10	10	25	45				
5						-FILL-										
	27 31 100/3"	S4 9	5.7 7.0		ML	Similar to above except 5% wood fibers, wet PID = 0.0/0.0 ppm	5	5	15	15	15	45				
				14.7 7.0		Note: Approximate former ground surface.										
				14.3 7.4		-ASPHALT EM-1 CAP-										
	37 29 41 48	S5 15	7.7 9.7		SM	Very dense dark brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist to wet, trace brick, wood, cinders, ash, porcelain, glass PID = 0.0/0.0 ppm	10	15	20	10	25	20				
						-FILL-										
10	58 58 44 41	S6 14	9.7 11.7		SM	Similar to above, possible sheen PID = 0.0/0.0 ppm	15	15	20	10	20	20				
	20 11 11 7	S7 11	11.7 13.7			Similar to above except medium dense										
	7 7 5 4	S8 8	13.7 15.7		SM	Medium dense light gray CINDERS and ASH, trace coal-like material, porcelain, glass, 10% silt and sand, trace sheen PID = 20.0/0.0 ppm										
15																
	3 4 4 3	S9 8	15.7 17.7		SM	Similar to above except loose slight sheen and moderate petroleum-like odor PID = 18.6/0.0 ppm										
				4.0 17.7		BOTTOM OF EXPLORATION 17.7 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/7/2011	1300	0.25	13.7	17.7	9.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	17.7
Rock Cored (ft)	-
Samples	S9

Boring No. F14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F15

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	22 December 2010
Finish	23 December 2011
Driller	C.Tucker
H&A Rep.	B. Babcock
Elevation	21.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 5.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Safety Hammer PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	4* 28* 36* 43*	S1 14	0.5 2.5	0.5	SM	Very dense olive gray to gray brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, dry, trace brick PID = 0.0/0.0 ppm	5	10	10	15	40	20				
	22 63 59 50	S2 10	2.5 4.5		SM	Similar to above with 10% brick, cinder, ash PID = 0.0/0.0 ppm -FILL-	5	10	10	15	30	30				
5	10* 50/4"*	S3 8	4.5 5.4	16.1 5.4	ML	Very dense olive gray sandy SILT with gravel (ML), mps 1.0 in, no structure, no odor, dry, 10% brick, concrete, cinders PID = 0.0/0.0 ppm	5	10	5	10	15	55				
				15.5 6.0		Note: Approximate former ground surface. -PROBABLE ASPHALT EM-1 CAP-										
				14.5 7.0		Note: Advanced borehole to 16.5 ft with rollerbit. Metal, concrete in wash/cuttings from 6.0 to 7.0 ft. -RUBBLE / CONCRETE-										
10						-PROBABLE GRANITE BLOCKS-										
15						Note: Obstruction is probable foundation wall or former seawall. Note: Total water loss at 16.5 ft.										
	7* 5* 5* 7*	S4 14	16.5 18.5	5.0 16.5	OL-OH	Very stiff dark gray to black sandy ORGANIC SOIL (OL-OH), mps 0.5 in., no structure, faint organic odor, wet, 15% wood, glass, shells, 8-in. piece of wood in spoon, possible piling PID = 0.0/0.0 ppm		5	15	15	15	50				
				3.0 18.5		-HYDRAULIC FILL- BOTTOM OF EXPLORATION 18.5 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer with 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/23/2010	1145	0.5	4.0	18.5	10.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	18.5
Rock Cored (ft)	-
Samples	S4

Boring No. F15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. F9

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 15 December 2010
Finish 15 December 2010
Driller D. Sheldon
H&A Rep. B. Babcock
Elevation 21.3
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 on Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Spun to 9.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-ASPHALT-										
				0.8												
	100/5"	S1 2	1.3 1.7	19.6 1.7	GW	Very dense gray-brown well-graded GRAVEL (GW), mps 1.3 in., no structure, no odor, moist PID = 0.0/0.0 ppm	40	50	5	5						
				18.8 2.5	SM	-FILL- -PROBABLE COBBLES- Very dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace ash, brick, wood Note: Approximate former ground surface. PID = 0.0/0.0 ppm	5	10	10	20	30	25				
	58 40 36 120	S2 14	3.3 5.3			Note: Approximate former ground surface.										
5				16.0												
	60/0"*	NR	5.3 6.3	5.3 15.5		-PROBABLE ASPHALT EM-1 CAP-										
				5.8												
	57* 49*	S3 10	6.3 7.3		SM	Very dense gray-brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, moist PID = 1.0/1.2 ppm	5	10	10	20	35	20				
	47* 60/1"*	S4 6	7.3 7.9	13.4 7.9	SM	Similar to above PID = 1.0/1.0 ppm Note: Drill action indicates cobbles from 7.0 to 9.3 ft. -FILL- -COBBLES-	5	15	15	20	25	20				
				12.0 9.3												
10	50* 47* 32* 9*	S5 6	9.3 11.3		SM	Very dense brown with black silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, 10% cinder and ash, trace brick PID = 1.2/1.2 ppm -FILL-	5	10	10	20	35	20				
	8* 6* 5* 3*	S6 14	11.3 13.3		SM	Similar to above except medium dense, 20% cinders, ash, slag and brick PID = 1.0/1.0 ppm		15	10	15	35	25				
				8.0 13.3		BOTTOM OF EXPLORATION 13.3 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/15/10	1215	0.5	9.0	13.3	

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.3
Rock Cored (ft) -
Samples S6

Boring No. F9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. G14

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	22 December 2010
Finish	23 December 2010
Driller	John Galvin
H&A Rep.	S. Shay
Elevation	21.4 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile Drill B-57
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 15.5 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model: 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.0		-ASPHALT-										
	38 48	S1 9	0.5 1.5	0.4	SM	Very dense olive-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet from drilling, trace brick, trace concrete PID = 0.0/0.0 ppm	10	10	10	15	20					
	35 45 32 30	S2 15	1.5 3.5		SM	Similar to above PID = 0.0/0.0 ppm										
				17.9		-FILL-										
	12 12 19 23	S3 18	3.5 5.5	3.5	SC	Dense olive-gray clayey SAND (SC), mps 0.75 in., no structure, no odor, wet, trace brick, trace cinders PID = 0.0/0.0 ppm	5	5	10	15	25	40				
5						-FILL-										
	12 12 16 120/0"	S4 12	5.5 7.0		SC	Similar to S3 except medium dense PID = 0.0/0.0 ppm Note: Approximate former ground surface.										
				14.4 7.0		-ASPHALT EM-1 CAP-										
	126	S5 6	7.5 8.0	14.0 7.4 13.4 8.0	SP-SM	Very dense gray poorly graded SAND with silt (SP-SM), mps 1 1/8 in., no structure, no odor, wet PID = 0.0/0.0 ppm			20	50	20	10				
				12.2 9.2		-FILL- Note: Obstruction 8.0 to 9.2 ft possible granite block										
10	7 4 5 7	S6 12	9.5 11.5		SM	Loose gray brown silty SAND (SM), mps 0.25 in., no structure, no odor, wet, trace wood PID = 0.0/0.0 ppm		10	10	10	40	30				
	6 5 6 5	S7 10	11.5 13.5		SM	Similar to S6 except medium dense PID = 0.0/0.0 ppm										
						-FILL-										
	2 4 4 5	S8 8	13.5 15.5		SM	Loose dark gray to black silty SAND with gravel (SM), mps 1.0 in., no structure, strong petroleum-like odor, wet, 5% ash and cinders, trace wood, trace fabric PID = 1866/0.0 ppm	10	10	10	10	35	25				
15	4 1 2 2	S9 16	15.5 17.5		SM	Similar to S8 except very loose, strong petroleum-like odor PID = 1710/0.0 ppm										
	4 4 3 4	S10 12	17.5 19.5		SM	Similar to above including odor PID = 1839/0.0 ppm										
				1.9 19.5		BOTTOM OF EXPLORATION 19.5 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/23/2010	0705	16	9.5	13.5*	Dry
		*Collapsed to 11 ft			
		Possible tidal influence			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.5
Rock Cored (ft)	-
Samples	S10

Boring No. G14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. G15 (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 23 December 2010
Finish 23 December 2010
Driller John Galvin
H&A Rep. S. Shay
Elevation 21.3
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 18.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.8		-ASPHALT-										
	33 120/2"	S1 6	0.5 1.2	0.5	SM	Very dense dark gray silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet from drilling PID = 0.0/0.0 ppm	5	10	10	10	40	25				
	40 60 66	S2 6	1.7 3.2	19.6 1.7	ML	Very dense olive-gray sandy SILT (ML), mps 0.25 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm				5	30	65				
	27 39 46 62	S3 14	3.2 5.2		ML	Similar to S2 PID = 0.0/0.0 ppm										
						-FILL-										
5	120/4"	S4 2	5.2 5.5		ML	Similar to above. Poor recovery. PID = 0.0/0.0 ppm										
				14.3 7.0		Note: Probable granite wall. Moved 4.9 ft to the SW of the proposed location (center of the grid). Advanced second location to 7.2 ft prior to sampling.										
	25 12 14 17	S5 10	7.2 9.2		SM	Medium dense gray-brown to brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet, trace brick, ash, cinders, and slag PID = 0.2/0.0 ppm	10	10	15	15	35	15				
10	9 6 9 9	S6 12	9.2 11.2		SM	Similar to S5 PID = 0.6/0.0 ppm										
				10.3 11.0		-FILL-										
	19 39 40 11	S7 12	11.2 13.2		SP-SM	Very dense dark gray to black, poorly graded SAND with silt and gravel (SP-SM), mps 1.25 in., no structure, sheen spots present, strong gasoline-like odor, wet, trace glass, trace cinders PID = 1802/0.0 ppm	10	10	20	20	30	10				
	11 8 4 8	S8 0	13.2 15.2		SP-SM	Similar to S7 including strong gasoline-like odor, medium dense PID = 1769/0.0 ppm										
						-FILL-										
15	6 4 3 4	S9 9	15.2 17.2		SP-SM	Similar to above PID = 1643/0.0 ppm										
	5 4 4 4	S10 8	17.2 19.2		SP-SM	Similar to above PID = 1250/0.0 ppm										
				2.1 19.2		BOTTOM OF EXPLORATION 19.2 FT										
						Note: Observation well installed in completed borehole. See observation well installation report for details.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/23/2010	1430	10 min	15.0	19.2	7.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 19.2
Rock Cored (ft) -
Samples S10

Boring No. G15 (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H12

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	6 January 2011
Finish	7 January 2011
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	21.3 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 20.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				21.1 / 0.2		-ASPHALT-										
	16 35 70 63	S1 12	0.5 2.5		SC	Very dense dark olive-brown clayey SAND (SC), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/1.7 ppm		5	5	25	25	40				
						-FILL-										
	40 120	S2 6	2.5 3.5		SC	Similar to above PID = 0.0/0.2 ppm										
				17.8 / 3.5		Note: Approximate former ground surface.										
				17.3 / 4.0		-ASPHALT EM-1 CAP-										
	12 27	S3 8	4.3 5.3		SM	Medium dense olive-gray silty SAND (SM), mps 0.125 in., no structure, no odor, moist, 10% brick, trace cinders PID = 0.0/0.2 ppm		10	10	10	40	20				
5	120/4"	S4 3	5.3 5.6		SM	Similar to above except very dense PID = 0.0/0.0 ppm										
						Note: Obstruction 5.6 to 7.0 ft, possible concrete or asphalt.										
	53 107 129	S5 7	7.3 9.8	14.3 / 7.0	SP	Very dense yellow-brown poorly graded SAND (SP), mps 0.0625 in., no structure, no odor, moist PID = 0.0/0.0 ppm			10	85	5					
						-FILL-										
	13 13 14 20	S6 8	9.3 11.3	12.3 / 9.0	SP-SM	Medium dense olive-brown poorly graded SAND with silt (SP-SM), mps 1.0 in., no structure, no odor, wet, trace brick PID = 0.0/0.0 ppm		10	5	35	35	10				
10																
	15 16 14 20	S7 12	11.3 13.3		SP-SM	Similar to above PID = 0.0/0.0 ppm										
						-FILL-										
	30 19 15 11	S8 12	13.3 15.3	7.8 / 13.5	SM	Dense gray silty SAND with 60% ASH, 15% cinders (SM), mps 0.25 in., no structure, no odor, wet			20	20	20	40				
						-FILL- PID = 0.0/0.9 ppm										
15																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/7/2011	0705	16	9.3	13.3	Dry
		Possible tidal influence			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	25.3
Rock Cored (ft)	-
Samples	S13

Boring No. H12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H12

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	4 4 4 6	S9 18	15.3 17.3		SM	Similar to above including ash and cinder content, loose PID = 0.0/0.2 ppm -FILL-										
	5 5 4 3	S10 16	17.3 19.3		SM	Similar to above, loose PID = 0.0/0.4 ppm										
20	5 4 3 6	S11 20	19.3 21.3	1.8 19.5	OL/OH	Medium stiff dark brown ORGANIC SOIL (OL/OH), mps 0.0625 in., irregular olive-gray pockets, no odor, wet, appears to be disturbed PID = 0.0/0.0 ppm				5	5	90				
	5 4 4 5	S12 20	21.3 23.3		OL/OH	Similar to above including irregular pockets PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
25	3 4 5 6	S13 24	23.3 25.3	-1.7 23.0	OL/OH	Stiff dark brown ORGANIC SOIL (OL/OH), mps aphanitic, no structure, organic odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-4.0 25.3		BOTTOM OF EXPLORATION 25.3 FT Note: Grouted boring to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H16

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	5 January 2011
Finish	6 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	21.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 9.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-ASPHALT-										
				0.5	SM											
	14 37 55 34	S1 16	1.0 3.0		SM	Note: 4-in. light gray crushed concrete at top of recovery. Very dense gray silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist PID = 0.0/0.0 ppm -FILL-	10	10	10	15	35	20				
	25 48 100/0"	S2 7	3.0 4.0		SM	Similar to above except granite fragment lodged in tip of spoon PID = 0.0/0.0 ppm	15	5	10	15	40	15				
				17.0 4.0												
5						-PROBABLE GRANITE/CONCRETE OBSTRUCTIONS-										
	42 53 100/0"	S3 2	6.0 7.0			Note: 2-in. recovery of GRANITE fragments.										
				13.0 8.0												
10	6 6 4 4	S4 5	9.0 11.0		SM	Loose tan silty SAND with gravel (SM), 30% cinders and ash, no structure, no odor, wet PID = 0.0/0.0 ppm	10	10	25	15	25	15				
	6 3 3 3	S5 8	11.0 13.0		SM	Similar to above PID = 0.0/0.0 ppm -FILL-	5	10	20	20	30	15				
				8.0 13.0		BOTTOM OF EXPLORATION 13.0 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/7/2011	1500	0.1	9.0	13.0	10.0

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	-
Samples	S5

Boring No. H16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. H17

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	6 January 2011
Finish	6 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	21.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 11.0 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.5		-ASPHALT-										
				0.5		Very dense light gray crushed CONCRETE										
	23 42 28 40	S1 14	0.6 2.6	20.0 1.0	ML	Very dense dark gray sandy SILT (ML), mps 1.0 in., no structure, no odor, moist, trace brick specs and cinders PID = 0.0/0.0 ppm		10	10	10	25	45				
	40 59 36 45	S2 10	2.6 4.6		ML	Similar to above except 10% brick specks and fragments PID = 0.0/0.0 ppm	5	5	5	15	25	45				
5				16.0 5.0		-PROBABLE CONCRETE OBSTRUCTION-										
				14.5 6.5												
	12 12 13 18	S3 4	7.0 9.0		SM	Medium dense light brown silty SAND with gravel (SM), mps 0.6 in., no structure, no odor, wet, 25% cinders and ash, trace coal-like material PID = 0.0/0.0 ppm		20	15	10	35	20				
10	6 7 6 5	S4 5	9.0 11.0		SM	Medium dense light gray-brown CINDERS and ASH, 10% coal-like material, no odor, wet, 10% silty SAND PID = 0.0/0.0 ppm -FILL-										
	5 4 3 7	S5 8	11.0 13.0		SM	Similar to above except 40% silty SAND with gravel, mps 1.375 in., 15% wood fragments	10	10	15	20	25	20				
				8.0 13.0		BOTTOM OF EXPLORATION 13.0 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/7/2011	1045	0.1	11.0	13.0	9.9

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	-
Samples	S5

Boring No. H17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. I12

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	13 January 2011
Finish	13 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 9.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.0		-ASPHALT-										
	27* 33* 60* 40*	S1 12	0.5 2.5	0.5	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, dry, trace wood, brick PID = 0.0/0.0 ppm	5	10	5	10	35	35				
	17* 18* 22* 28*	S2 12	2.5 4.5		SM	Similar to above, except trace wood, plastic, cinder, ash, brick PID = 0.0/0.0 ppm	5	10	5	10	35	35				
						-FILL-										
5	17* 25* 50/0"*	S3 10	4.5 5.5		SM	Similar to above PID = 0.0/0.0 ppm	5	15	10	15	35	20				
				15.0 5.5		Note: Approximate former ground surface.										
				14.5 6.0		-ASPHALT EM-1 CAP-										
	101* 57* 40/3"*	S4 10	6.5 7.8		SM	Very dense brown with red-brown silty SAND with gravel (SM), mps 2.0 in., no structure, no odor, moist, 20% brick, concrete, trace cinder, ash PID = 0.0/0.0 ppm	10	10	15	20	25	20				
	22* 17* 18* 17*	S5 10	8.5 10.5		SM	Similar to above PID = 0.0/0.0 ppm	10	10	15	20	25	20				
10						-FILL-										
	21* 23* 22* 17*	S6 17	10.5 12.5		SW-SM	Very dense brown with orange-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	15	25	35	10				
	17* 19* 14* 6*	S7 3	12.5 14.5		GW	Very dense gray-brown well-graded GRAVEL with sand (GW), mps 1.0 in., no structure, no odor, wet, 10% brick PID = 0.0/0.0 ppm	30	40	10	10	10					
				6.0 14.5												
15	5* 4* 5* 4*	S8 8	14.5 16.5		CL	Very stiff gray sandy lean CLAY (CL), mps 0.25 in., no odor, wet, trace cinders, reworked PID = 0.0/0.0 ppm			5	5	20	70	N			
						-HYDRAULIC FILL-										
				4.0 16.5		Note: 300-lb hammer used with 2-in. spoon from 4.5 to 16.5 ft.										
						BOTTOM OF EXPLORATION 16.5 FT										

Note: Grouted boring to surface upon completion.
*indicates 300-lb hammer and 3-in. spoon used to obtain sample

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/13/11	1200	0.5	9.0	16.5	5.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	16.5
Rock Cored (ft)	-
Samples	S8

Boring No. I12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I13

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	6 January 2011
Finish	6 January 2011
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	20.9 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 8.9 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.7 0.2		-ASPHALT-										
	27 40 34 48	S1 12	0.9 2.9		CL	Very dense dark olive-gray sandy lean CLAY with gravel (CL), mps 1.25 in., no structure, no odor, moist, 5% brick PID = 0.0/0.0 ppm -FILL-	5	10	10	10	15	50				
	35 46 22 120/2"	S2 7	2.9 4.5		CL	Similar to above, bottom 2.0 in. of sample asphalt PID = 0.0/0.0 ppm Note: Approximate former ground surface.										
				16.6 4.3 16.2		-ASPHALT EM-1 CAP										
5	45 41 36 50	S3 12	4.9 6.9	4.7	SP	Very dense olive poorly-graded SAND (SP), mps 0.125 in., no structure, no odor, moist PID = 0.0/0.0 ppm -FILL-			10	70	20					
	72 120	S4 6	6.9 7.9	14.0 6.9	CL	Very dense olive-gray sandy CLAY (CL), mps 0.75 in., no structure, no odor, moist, trace brick, trace cinders PID = 0.0/0.0 ppm		5	5	10	20	60				
				12.9 8.0		-FILL-										
10	51 36 90 102	S5 9	8.9 10.9		SP-SM	Very dense olive-brown poorly-graded SAND with silt and gravel (SP-SM), mps 1.0 in., no structure, no odor, wet, 10% brick, trace cinders, trace ash PID = 0.0/0.0 ppm -FILL-	10	10	15	15	40	10				
				10.0 10.9		-BOTTOM OF EXPLORATION 10.9 FT- Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/6/2011	1047	5 min *Not stable	8.9	10.9	5.6*

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	10.9
Rock Cored (ft)	-
Samples	S5

Boring No. I13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I18

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	17 December 2010
Finish	17 December 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 22.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
	16* 34* 33*	S1 12	0.5 2.0	0.5	SM	Very dense gray-brown silty SAND with gravel (SM), mps 2.0 in., no structure, no odor, dry, trace brick PID = 0.6/0.6 ppm	5	10	15	20	25	25				
						-FILL-										
	50 34 43 41	S2 12	2.0 4.0		SM	Similar to above PID = 0.6/0.6 ppm	5	10	15	20	25	25				
	71 77 100/0"	S3 10	4.0 5.0		SM	S3: Similar to above with occasional pockets of lean clay intermixed PID = 0.0/0.6 ppm	5	10	10	15	30	30				
				15.0		Note: Approximate former ground surface.										
5				5.0		-PROBABLE ASPHALT EM-1 CAP-										
				14.2												
	19 17 15 13	S3a 6	6.0 8.0	5.8	ML	S3a: Dense olive-brown with gray sandy SILT (ML), mps 0.5 in., intermixed with lean CLAY and ORGANIC SOIL, no odor, wet, trace brick, cinder and wood PID = 0.0/0.0 ppm	5	5	15	10	15	50				
	8 6 4 10	S4 4	8.0 10.0		GC	Loose gray clayey GRAVEL with sand (GC), mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	25	30	5	5	10	25				
						-FILL-										
10	18 20 11 9	NR	10.0 12.0			NR: No Recovery - residue in spoon similar to above. Overdrove 3-in. spoon - recovered 6.0 in. similar to S3, trace wood, brick										
	13 9 10 8	S5 18	12.0 14.0		OL-OH	Very stiff olive-brown sandy ORGANIC SOIL (OL-OH), mps 0.25 in., reworked, no odor, moist, trace wood PID = 0.0/0.0 ppm										
15	6 3 6 6	S6 6	14.0 16.0		ML	Loose dark brown sandy SILT (ML), mps 0.5 in., no structure, no structure, no odor, wet, 10% cinder, ash, wood and brick PID = 0.0/0.0 ppm	5	5	5	10	20	55				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S10

Boring No. I18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I18

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	7 4 4 6	S7 6	16.0 18.0		ML	S7: Similar to above PID = 0.2/0.2 ppm -FILL-	5	5	5	10	20	55				
	6 5 4 6	NR	18.0 20.0	2.0 18.0	CL	NR: No Recovery. Overdrove 3-in. spoon from 18.0 to 20.0 ft. Recovered 4.0 in. sandy lean CLAY with gravel (CL), mps 2.0 in., no structure, no odor, wet, 10% cinders, ash, wood PID = 0.2/0.2 ppm -HYDRAULIC FILL-	5	10	5	10	20	50				
20	14 11 7 10	S8 3	20.0 22.0		CL	Similar to above except very stiff PID = 0.0/0.2 ppm	5	10	5	10	20	50				
	1 2 6 4	S9 24	22.0 24.0	-2.0 22.0	OL-OH	Medium stiff dark brown ORGANIC SOIL with sand (OL-OH), mps < 2 mm, frequent partings of fine sand, strong organic odor, wet, trace shells PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-				5	10	85				
25	7 5 4 5	S10 12	24.0 26.0		OL-OH	Stiff gray ORGANIC SOIL (OL-OH), mps < 1 mm, frequent partings and pockets of PEAT (PT), strong organic odor, wet						100				
				-6.0 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. I18

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I8

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 20 December 2010
Finish 21 December 2010
Driller John Galvin
H&A Rep. Dodson/Shay
Elevation 18.5 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile Drill B-57
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 10.5 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.0	GP	Gray poorly graded GRAVEL (GP)	10	80	10							
	25 95	S1 9	0.5 1.5	0.5	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist, 15% brick and concrete fragments PID = 0.0/0.0 ppm Note: Obstruction from 1.5 to 2.0 ft	10	5	10	15	35	25				
	27 15 37 42	S2 12	2.5 4.5	16.0 2.5	ML/CL	Hard olive-gray sandy lean CLAY/SILT (ML/CL), mps 0.6 in., no structure, no odor, moist, 5-10% brick fragments, 5% cinders, ash, wood, concrete -FILL-		10	10	10	25	45				
5	4 3 100/5"	S3 15	4.5 5.9		ML/CL	Similar to above Note: Approximate former ground surface.										
				12.6 5.9		-ASPHALT EM-1 CAP-										
	37 25 17 10	S4 12	6.5 8.5	12.3 6.2	SP	Dense brown poorly graded SAND (SP), mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm -FILL-		5	10	10	70	5				
10	13 29 15 11	S5 10	8.5 10.5	10.0 8.5	SP-SM	Dense gray poorly graded SAND with silt and gravel (SP-SM), mps 0.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	10	35	20	20	10				
	7 4 3 4	S6 20	10.5 12.5	8.0 10.5	CL	Loose medium stiff dark olive with black staining, sandy clean CLAY PID = 0.0/0.0 ppm -HYDRAULIC FILL-					35	65				
	11 9 5 5	S7 18	12.5 14.5	4.0	CL/ML	Medium dense dark gray to black disturbed mix of sandy lean CLAY and sandy SILT (CL/ML), mps 0.375 in., no structure, no odor, wet, trace brick PID = 0.0/0.0 ppm					30	70				
				14.5		BOTTOM OF EXPLORATION 14.5 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/20/2010	0905	5 min	pulled	14.5	6.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.5
Rock Cored (ft) -
Samples S7

Boring No. I8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. I9

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	15 December 2010
Finish	16 December 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 12.5 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.9 / 0.6		-ASPHALT-										
						Note: Advanced borehole unsampled to 8.5 ft.										
5																
	46 59 54 33	S1 8	8.5 10.5		SW-SM	Very dense brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	15	30	30	10				
10						-FILL-										
	75 57 28 12	S2 4	10.5 12.5		GW	Very dense red-brown well-graded GRAVEL with sand (GW), mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	30	40	15	10	5					
	12 10 10 9	S3 2	12.5 14.5	8.0 / 12.5	CL	Very stiff gray lean CLAY with gravel (CL), mps 0.5 in., disturbed, no odor, wet, trace wood. Overdrove 3-in. spoon to obtain sample. PID = 0.0/0.0 ppm	5	10		5	5	75				
						-HYDRAULIC FILL-										
				6.0 / 14.5		BOTTOM OF EXPLORATION 14.5 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.5
Rock Cored (ft)	-
Samples	S3

Boring No. I9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. J11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	13 January 2011
Finish	13 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	20.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.0		-ASPHALT-										
	15 25 20 35	S1 17	0.5 2.5	0.5 19.5	SW	Dense light gray well-graded SAND with gravel (SW) PID = 0.0/0.0 ppm	10	35	30	15	10					
				1.0	ML	Very dense dark gray to black sandy SILT (ML), mps 1.375 in., no structure, no odor, moist, trace brick specks, cinders, and ash PID = 0.0/0.0 ppm										
	40 37 63 50/0"	S2 6	2.5 4.0		ML	Similar to above -FILL- Note: Approximate former ground surface.										
				16.5 4.0		-ASPHALT EM-1 CAP-										
	65 bouncing	S3 2	4.5 5.0	16.1 4.4	SM	Very dense gray silty SAND with gravel (SM), mps 1.2 in., no structure, no odor, moist PID = 0.0/0.0 ppm -FILL-	5	15	20	20	20	20				
5	93 89 53 100/0"	S4 10	6.5 8.0		SM	Very dense dark gray-brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, moist, 15% concrete fragments, trace brick specks and fragments PID = 0.0/0.0 ppm	10	15	10	10	35	30				
	11 8 7 6	S5* 14	8.5 10.5		SM	Medium dense dark gray to dark brown silty SAND (SM), 30% cinders and ash, 5% brick and concrete fragments, trace wood, slight petroleum-like odor PID = 0.0/0.0 ppm		5	10	10	35	40				
10				10.0												
	4 5 4 4	S6* 7	10.5 12.5	10.5	CL	Stiff gray lean CLAY (CL), mps 0.6 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5			5	90	N	L	L	
	2 3 3 2	S7 19	12.5 14.5		CL	Similar to above except medium stiff -HYDRAULIC FILL-			5		5	90	N	L	M	
15	2 2 2 3	S8 16	14.5 16.5		CL	Similar to above except soft with sand, mps 0.8 in.		5			10	85	N	L	M	
				4.0 16.5		BOTTOM OF EXPLORATION 16.5 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/13/11	1310	0.1	10.5	10.5	10.0

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	16.5
Rock Cored (ft)	-
Samples	S8

Boring No. J11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J12

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 22 December 2010
Finish 22 December 2010
Driller John Galvin
H&A Rep. S. Shay
Elevation 20.5 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile Drill B-57
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 10.5 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.0		-ASPHALT-										
	23 34 24 18	S1 20	0.5 2.5	0.5	SC	Very dense olive-gray clayey SAND (SC), mps 0.5 in., no structure, no odor, wet from drilling, asphalt, trace brick PID = 0.0/0.0 ppm -FILL-	5	5	10	15	25	40				
	36 29 46 120/4"	S2 10	2.5 4.5		SC	Very dense olive-gray clayey SAND with gravel (SC), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm Note: Approximate former ground surface.	5	10	10	15	20	40				
				16.3 4.2		-ASPHALT EM-1 CAP-										
5	38 65 60 52	S3 5	4.5 6.5	16.0 4.5	SP-SM	Very dense dark brown poorly graded SAND with silt (SP-SM), mps 1.0 in., no structure, no odor, wet, 20% pulverized brick, trace metal wire PID = 0.2/0.0 ppm -FILL-										
	57 77 70 43	S4 11	6.5 8.5			Similar to S3 PID = 0.2/0.0 ppm										
				12.0 8.5												
	34 29 34 23	S5 18	8.5 10.5		SM	Very dense dark brown silty SAND (SM), mps 0.75 in., no structure, no odor, moist, trace amounts of the following: wood, brick, glass, metal wire, porcelain PID = 0.0/0.0 ppm -FILL-										
10				10.0 10.5												
	13 7 3 5	S6 12	10.5 12.5		ML	Loose black SILT with sand (ML), mps 0.25 in., no structure, no odor, wet, 10% ash confined to top 6 in. of sample PID = 0.4/0.0 ppm -FILL-										
				8.0 12.5												
	7 8 9 9	S7 20	12.5 14.5		CL	Very stiff olive lean CLAY with sand (CL), mps 1/16 in., no structure, no odor, wet. Appears to be disturbed. PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
				6.0 14.5		BOTTOM OF EXPLORATION 14.5 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/22/2010	1205	10 min	10.5	14.5	3.5

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.5
Rock Cored (ft) -
Samples S7

Boring No. J12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J13

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 5 January 2011
Finish 5 January 2011
Driller J. Galvin
H&A Rep. S. Shay
Elevation 20.6 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 9.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.4 / 0.2		-ASPHALT-										
						Note: Drilled to 4.5 ft unsampled.										
				17.1 / 3.5		Note: Approximate former ground surface.										
				16.6 / 4.0		-ASPHALT EM-1 CAP-										
5	100/3" 55/3"* 50*	S1 10	4.5 5.5		SP-SM	Very dense red-brown poorly-graded SAND with silt and gravel (SP-SM), mps 0.5 in., no structure, no odor, moist, 20% brick, 5% ash, trace concrete, trace cinders PID = 0.0/0.6 ppm	10	10	15	35	20	10				
	65 123/4"	S2 10	6.5 7.5		SP-SM	Similar to above PID = 0.0/0.4 ppm										
						-FILL-										
	32/2"* 56* 23*	S2A 6	7.5 8.5	12.6 / 8.0	ML	Black SILT (ML), mps 0.031 in., no structure, no odor, dry PID = 0.0/4.0 ppm					10	90				
10	11 29 17 18	S3 16	8.5 10.5	12.1 / 8.5	SM	Dense dark gray silty SAND (SM), mps 0.5 in., no structure, no odor, wet, 30% ash (mostly confined to bottom of sample), 5% brick, trace glass PID = 0.0/0.7 ppm		5	15	20	30	30				
	16 8 5 10	S4 20	10.5 12.5		SM	Similar to above except medium dense PID = 0.0/0.2 ppm										
						-FILL-										
	6 8 7 9	S5 24	12.5 14.5	8.1 / 12.5	CL	Stiff olive-brown lean CLAY (CL), mps 0.062 in., no structure, no odor, moist PID = 0.0/0.0 ppm				5	5	90				
						-HYDRAULIC FILL-										
				6.1 / 14.5		BOTTOM OF EXPLORATION 14.5 FT										
						Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/5/2011	1435	5 min	10.5	14.5	7.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.5
Rock Cored (ft) -
Samples S5

Boring No. J13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J19

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	5 January 2011
Finish	5 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	19.7 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 19.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.1		-ASPHALT-										
	50* 65*	S1 6	0.7 1.7	0.6	SM	-FILL- Very dense gray-brown silty SAND with gravel (SM), mps 1.5 in., no structure, no odor, dry, trace brick, concrete in tip of spoon PID = 0.0/0.0 ppm/	5	10	10	15	40	20				
				18.0 1.7		-RUBBLE FILL-										
				16.2 3.5	SM	Similar to above PID = 0.0/0.0 ppm	5	10	10	20	35	20				
	35* 50/3"*	S2 6	3.7 4.5	15.2 4.5		Note: Approximate former ground surface.										
5				14.7 5.0		-ASPHALT EM-1 CAP-										
						-RUBBLE FILL- Note: Drill action indicates concrete, brick between 6.0 to 12.0 ft.										
10				7.7 12.0	SM	Very dense red-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 10% brick, 13-in. wood in tip of spoon PID = 0.0/0.0 ppm	5	10	10	15	40	20				
	8 12 116 6*	S3 6	12.7 14.7			No recovery, 10-in. wood in spoon. -FILL-										
15	28* 22*	NR 0	14.7 15.7			No recovery, 20-in. wood in spoon.										
	16* 14* 13* 10*	NR 0	15.7 17.7			Note: Total water loss between 12.0 to 17.0 ft.										
	36 15 12 10	NR 0	17.7 19.7			No recovery.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/5/2011	1430	0.5	19.0	25.7	8.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.7
Rock Cored (ft)	-
Samples	S4

Boring No. J19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. J19

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	12 8 5 4	NR 0	19.7 21.7			No recovery, 3-in. wood in spoon, overdrove 3-in. spoon from 17.7 to 21.7, recovered 3-in. wood pieces -FILL-										
	13 3 5 6	NR 0	21.7 23.7	-2.0 21.7	OL-OH	No recovery. Overdrove 3-in. spoon recovered 12.0 in. of gray ORGANIC SOIL (OL-OH), mps <5 mm, structure in discernable, sample disturbed, slight organic odor, wet. PID = 0.0/0.0 ppm -POSSIBLE HYDRAULIC FILL-					10	90				
25	3 6 7 7	NR 0	23.7 25.7		OL-OH	No recovery. Overdrove 3-in. spoon, recovery similar to above. PID = 0.0/0.0 ppm					10	90				
	3 3 3 4	S4 14	25.7 27.7	-6.0 25.7	OL-OH	Medium stiff olive-gray ORGANIC SOIL (OL-OH), mps <1 mm, frequent partings of peat, strong organic odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-8.0 27.7		BOTTOM OF EXPLORATION 27.7 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. J19

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K10

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	11 January 2011
Finish	11 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 8.5 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
				0.5		Note: Advanced borehole to 4.0 ft unsampled.										
						-FILL-										
				16.5		Note: Approximate former ground surface.										
				3.5		-PROBABLE ASPHALT EM-1 CAP-										
	50/4"*	S1 4	4.0 4.3	16.0 4.0 15.7 4.3	SW-SM	Very dense gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	10	10	20	45	10				
5						-RUBBLE FILL-										
	22* 24* 12* 16*	S2 12	6.0 8.0	13.5 6.5	SM	Very dense brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet, 10% cinders, ash, slag, 6-in. wood in top of spoon PID = 0.0/0.0 ppm		15	10	15	35	25				
	12* 10* 5* 6*	S3 12	8.0 10.0		ML	Medium dense dark brown sandy SILT (ML), mps 0.5 in., no structure, faint creosote odor, wet, 20% cinders, ash, slag PID = 0.0/0.0 ppm		5	5	10	25	55				
						-FILL-										
10	15 8 11 11	S4 20	10.0 12.0	10.0	CL	Very stiff gray lean CLAY (CL), mps 5 mm, reworked, no odor, wet PID = 0.0/0.0 ppm										
						-HYDRAULIC FILL-										
				8.0 12.0		BOTTOM OF EXPLORATION 12.0 FT										
						Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/11/11	1345	0.5	8.5	12.0	3.0*
		*Not stable			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	12.0
Rock Cored (ft)	-
Samples	S4

Boring No. K10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K11 (OW)

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	21 December 2010
Finish	21 December 2010
Driller	John Galvin
H&A Rep.	S. Shay
Elevation	20.3
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile Drill B-57
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 14.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.8		-ASPHALT-										
	29 25 20	S1 18	0.5 2.0	0.5 19.3 1.0	SM	S1, top 6 in.: Dense gray-brown silty SAND with gravel (SM) PID = 0.0/0.0 ppm	5	10	10	10	35	30				
					SC	S1, bottom 12 in.: Dense olive-gray clayey SAND (SC), mps 0.5 in., no structure, no odor, wet, trace brick, wood	5	5	10	15	25	40				
	47 25 120/5"	S2 10	2.0 3.4		SW	S2: Very dense light gray brown well graded SAND (SP-SM), mps 0.5 in., no structure, no odor, wet PID = 0.2/0.0 ppm	5	5	30	30	30					
				16.9 3.4 16.3		-FILL-										
	37 95 87 106	S3 16	4.0 6.0	4.0	SP-SM	Note: Approximate former ground surface. -ASPHALT EM-1 CAP- Very dense dark brown poorly graded SAND with silt (SP-SM), mps 1.0 in., no structure, no odor, wet, 20% pulverized brick, trace fabric, trace metal wire		5	20	25	40	10				
5				14.3 6.0	SM	PID = 0.2/0.0 ppm	5	10	20	20	30	15				
	21 38 58 59	S4 16	6.0 8.0			Very dense dark brown silty SAND with gravel (SM), mps 1.25 in., no structure, no odor, wet, trace glass shards PID = 0.0/0.0 ppm										
	40 20 24 23	S5 20	8.0 10.0		SM	-FILL- Similar to S4 except dense PID = 0.0/0.0 ppm										
10	8 3 9 8	S6 14	10.0 12.0		SM	S6, top 7 in.: Similar to above, except medium dense PID = 0.0/0.0 ppm										
				9.3 11.0	OL-OH	S6, bottom 7 in.: Stiff dark olive-gray ORGANIC SOIL with sand (OL-OH), mps 1/16 in., no structure, no odor, wet, trace brick, trace shells					20	80				
	9 6 8 5	S7 12	12.0 14.0		OL-OH	Stiff dark olive-gray to gray sandy ORGANIC SOIL (OL-OH), mps 1/16 in., irregular pockets, no odor, wet, appears to be disturbed PID = 0.0/0.0 ppm					30	70				
						-HYDRAULIC FILL-										
	2 2 2 2	S8 12	14.0 16.0			S8, top 6 in.: Similar to above, except soft, appears to be disturbed PID = 0.0/0.0 ppm										
15				5.3 15.0	OL-OH	S8, bottom 6 in.: Soft olive-gray ORGANIC SOIL with sand (OL-OH), mps < 1/16 in., no structure, slight organic odor, wet, trace peat fibers, trace shells					15	85				
	3 2 3 2	S9 24	16.0 18.0		OL-OH	Medium stiff olive-gray ORGANIC SOIL (OL/OH), mps < 1/32 in., no structure, slight organic odor, wet, trace peat fibers, trace shells PID = 0.0/0.0 ppm					10	90				
				2.3 18.0		-ORGANIC DEPOSITS-										
						BOTTOM OF EXPLORATION 18.0 FT Note: Observation well installed in completed borehole. See observation well installation report for details.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/21/2010	1430	none	14.0	18.0	4.5
12/22/2010	0710	Initial	well	reading	9.38

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	18.0
Rock Cored (ft)	-
Samples	S9

Boring No. K11 (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K12

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 4 January 2011
Finish 5 January 2011
Driller J. Galvin
H&A Rep. S. Shay
Elevation 20.1 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures
Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 10.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.8		-ASPHALT-										
	27 29 27	S1 8	0.5 2.5	0.3	SC	Very dense dark olive clayey SAND (SC), mps 0.375 in., no structure, no odor, moist, 15 to 20% brick in medium-course sand-sized particles PID = 0.0/1.2 ppm		10	10	15	20	45				
	37 30 121	S2 8	2.0 3.5		SC	Similar to above PID = 0.0/0.9 ppm										
				16.6		-FILL-										
				3.5		Note: Approximate former ground surface.										
	135	S3 6	4.0 4.5	16.1 4.0	SP-SM	-ASPHALT EM-1 CAP-		5	15	40	30	10				
5	42* 38* 30* 30* 20* 27*	S4 18	5.0 8.0		SP-SM	Very dense dark brown poorly-graded SAND with silt (SP-SM), mps 0.75 in., no structure, no odor, wet, 5% brick, trace ash PID = 0.0/4.3 ppm Brown poorly-graded SAND with silt and gravel (SP-SM), mps 2.0 in., no structure, no odor, wet, 10% brick, trace amounts of wood, glass, cinders, metal										
						-FILL- PID = 0.0/7.2 ppm	10	10	30	30	10	10				
	85 120/5*	S5 0	8.0 8.9			No recovery, sheen on spoon, obstruction 8.9 to 9.5 ft										
				10.6 9.5		Note: Change in drilling effort at 9.5 ft.										
10	12 9 6 6	S6 20	10.0 12.0		CL	Stiff olive-gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm			5	5	5	85				
	8 8 9 8	S7 20	12.0 14.0		CL	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
				6.1 14.0		BOTTOM OF EXPLORATION 14.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb. hammer and 3-in. spoon used to obtain sample.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/5/2011	0935	5 min	10.0	14.0	6.2
1/5/2011	1005	0.5 hr	Pulled Out	14.0	8.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.0
Rock Cored (ft) -
Samples S7

Boring No. K12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K13

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	4 January 2011
Finish	4 January 2011
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	20.2 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				20.0 / 0.2		-ASPHALT-										
						Note: Drilled to 4.0 unsampled.										
				16.7 / 3.5		Note: Approximate former ground surface.										
				16.2 / 4.0		-ASPHALT EM-1 CAP-										
	88 126	S1 6	4.0 5.0		SP-SM	Very dense red-brown poorly-graded SAND with silt and gravel (SP-SM), mps 0.75 in., no structure, no odor, dry, 25% brick, 5% asphalt PID = 0.0/2.6 ppm	10	10	15	15	40	10				
5																
	140 36* 50*	S2 9	6.0 7.5		SP-SM	Similar to above except 35% brick, trace cinders, with rubble PID = 0.0/4.3 ppm										
						-FILL-										
				12.2 / 8.0		Note: Obstruction 7.5 to 8.0 ft in rubble fill.										
	51 32 17 20	S3 14	8.0 10.0		SM	Dense dark gray, silty SAND (SM), mps 1.0 in., no structure except 4.0 in. shattered brick layer within sample PID = 0.0/96.7 ppm		5	10	15	30	40				
						-FILL-										
10	9 9 10 11	S4 16	10.0 12.0		SM	Medium dense brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet, 5% brick, trace wood fibers, metal, fabric PID = 0.0/4.1 ppm	5	10	15	15	30	25				
	8 7 4 6	S5 4	12.0 14.0		SM	Medium dense black silty SAND (SM), mps 0.125 in., no structure, no odor, wet, trace brick, poor recovery PID = 0.0/0.0 ppm		5	5	10	50	30				
	3 3 3 3	S6 24	14.0 16.0	6.2 / 14.0	OL-OH	Medium stiff olive-gray ORGANIC SOIL with sand (OL-OH), mps 0.5 in, no structure, no odor, wet, trace shells, trace peat fibers PID = 0.0/0.0 ppm					15	85				
15						-HYDRAULIC FILL-										
				4.2 / 16.0		BOTTOM OF EXPLORATION 16.0 FT										
						Note: Grouted boring to surface upon completion. Note: Unable to extract casing on 0.25/in. after failure at threads at top of casing. Successful extraction on 1/5/2011. *indicates 300-lb hammer used to drive split spoon.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/5/2011	1047	23	14.0	16.0**	4.0
		**Collapsed to 14.6			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	16.0
Rock Cored (ft)	-
Samples	S6

Boring No. K13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. K17A

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	30 December 2010
Finish	3 January 2011
Driller	G. Peterson/D. Sheldon
H&A Rep.	B. Babcock
Elevation	20.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 10.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5		-ASPHALT-										
	77 23* 19* 50/3"*	S1 10	1.0 2.8	0.5	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick, cinder. Asphalt in tip of spoon. PID = 0.0/0.0 ppm -FILL- Note: Approximate former ground surface.	5	10	5	15	45	20				
				17.2		-ASPHALT EM-1 CAP-										
				2.8 16.5 3.5												
	19* 20* 15* 16*	S2 20	4.0 6.0		SM	Very dense silty SAND (SM), mps 1.0 in., no structure, no odor, moist, trace cinders, wood PID = 0.0/0.0 ppm -FILL-	5	5	5	15	45	25				
5	27 18 15 16	S3 14	6.0 8.0		SM	Similar to above except dense PID = 0.0/0.0 ppm	5	5	5	15	45	25				
				12.0												
	2* 3* 2* 4*	S4 14	8.0 10.0	8.0	ML	Loose gray-brown with gray SILT with sand (ML), mps 0.25 in., intermixed with occasional pockets of lean clay, no odor, wet, trace glass, cinders PID = 0.0/0.0 ppm		5	5	5	10	75				
10	6 7 10 10	S5 24	10.0 12.0		ML	Medium dense olive-gray SILT with sand (ML), mps 0.25 in., reworked, no odor, wet, trace wood, shells, cinders PID = 0.0/0.0 ppm			5	10	10	75				
	1 2 3 2	S6 24	12.0 14.0		ML	Similar to above except loose, intermixed with organic soil PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5	20	75				
				6.0 14.0		BOTTOM OF EXPLORATION 14.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/3/2011	0900	0.25	10.0	14.0	6.8

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	S6

Boring No. K17A

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	21 December 2010
Finish	23 December 2010
Driller	D. Sheldon
H&A Rep.	Babcock/Lawlor
Elevation	19.6
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Cat-Head/ Safety Hammer
PID Make & Model: 11.7 eV

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.1 / 0.5		-ASPHALT-										
						Note: Advanced borehole unsampled to 4.0 ft.										
	18 29 34	S1 4	4.0 5.6		GP-GM	Very dense gray poorly graded GRAVEL with sand and silt (GP-GM), mps 1 3/5 in., 10% cinders, no structure, no odor, moist PID = 0.0 ppm	20	40	15	10	5	10				
5	13 32 56 68	S2 8	5.6 7.6		GM	Very dense gray silty GRAVEL with sand (GM) mps 1 3/5 in., no structure, no odor, moist PID = 0.0 ppm	20	35	10	10	10	15				
						-FILL-										
	7 8 11 9	S3 12	7.6 9.6		GM	Medium dense black silty GRAVEL (GM), mps 1.0 in., no structure, no odor, wet PID = 0.0 ppm	20	35	20	5	5	15				
				10.0 / 9.6		Note: Clay in spoon tip.										
10	9 6 7 6	S4 9	9.6 11.6		CL	Stiff gray lean CLAY with sand (CL), mps 0.25 in., trace organic pockets, no structure, organic odor, moist, material is reworked PID = 0.0 ppm			5	5	5	85				
	4 4 3 4	S5 11	11.6 13.6		CL	Similar to above, except medium stiff PID = 0.0 ppm			5	5	5	85				
15	3 3 2 3	S6 21	13.6 15.6		CL	Similar to above PID = 0.0 ppm			5	5	5	85				
	4 4 3 5	S7 24	15.6 17.6		CL	Similar to above PID = 0.0 ppm			5	5	5	85				
						-HYDRAULIC FILL-										
	2 1 2 3	S8 24	17.6 19.6		CL	Similar to above except soft PID = 0.0 ppm			5	5	5	85				
				0.0 / 19.6		BOTTOM OF EXPLORATION 19.6 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/23/2010		0.25	10.0	19.6	4.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.6
Rock Cored (ft)	-
Samples	S8

Boring No. L11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. L14A (OW)

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	3 January 2011
Finish	3 January 2011
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	20.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				19.5 / 0.5		-ASPHALT-										
						Note: Drilled unsampled to 4.0 ft.										
				16.4 / 3.6		Note: Approximate former ground surface.										
						-PROBABLE ASPHALT EM-1 CAP-										
	39 120/5"	S1 8	4.0 4.9	16.0 / 4.0	SW-SM	Very dense red-brown well graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist, 10% brick, trace cinders PID = 0.0/0.2 ppm	5	10	10	30	35	10				
5						-FILL-										
	10* 10* 13* 7* 7* 10*	S2	6.0 9.0		SW-SM	Black well graded SAND with silt and gravel (SW-SM), mps 2.0 in., no structure, no odor, moist, 10% brick, trace cinder, trace concrete PID = 0.0/4.0 ppm	5	10	15	30	30	10				
	41 9 6 6	S3 4	9.0 11.0	10.5 / 9.5	SW-SM	Similar to above. Poor recovery. PID = 0.0/1.4 ppm										
10						Note: Stratum change estimated based on change in effort to drive split spoon at 9.5 ft.										
	6 2 2 3	S4 15	11.0 13.0		CL	Soft gray to gray-brown sandy lean CLAY (CL), mps 0.125 in., no structure, no odor, wet PID = 0.0/0.0 ppm				10	30	60				
	1 2 2 2	S5 24	13.0 15.0		CL	Similar to above PID = 0.0/0.0 ppm										
						-HYDRAULIC FILL-										
15	2 2 2 3	S6 24	15.0 17.0	5.0 / 15.0	OL-OH	Soft gray-brown sandy ORGANIC SOIL (OL-OH), mps 0.062 in., no structure, no odor, wet, appears to be disturbed PID = 0.0/0.0 ppm			10	5	15	70				
	3 3 3 2	S7 20	17.0 19.0		OL-OH	Similar to above except medium stiff PID = 0.0/0.0 ppm										
						-HYDRAULIC FILL-										
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/3/2011	1300	0.25	15.0	27.0	5.1

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.0
Rock Cored (ft)	-
Samples	S9

Boring No. L14A (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L14A (OW)

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20							-HYDRAULIC FILL-										
	2 2 3 5 7	S8 24	22.0 24.5		-2.0 22.0	OL-OH	Medium stiff olive-brown ORGANIC SOIL (OL-OH), mps 0.031 in., no structure, strong organic odor, wet, 15 to 20% peat fibers throughout sample PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
25	4 5 6 6 5	S9 24	24.5 27.0		-7.0 27.0	OL-OH	Similar to above PID = 0.0/0.0 ppm Note: Advanced split spoon using 25-ft drive for environmental sample recovery.										
							BOTTOM OF EXPLORATION 27.0 FT Note: Observation well installed in completed borehole. See observation well installation report for details.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. L14A (OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. L8

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	20 December 2010
Finish	20 December 2010
Driller	J. Galvin
H&A Rep.	M. Dodson
Elevation	19.1
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.0 ft
Hoist/Hammer: Cat-Head/ Safety Hammer
PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.8		-ASPHALT-										
	44 75 25	S1 12	0.5 2.0	0.3	SW	Very dense gray well graded SAND with silt and gravel (SW), mps 1.375 in., no structure, no odor, moist, 10% brick fragments, 5% asphalt PID = 0.0/0.0 ppm	5	15	30	25	15	10				
				17.1		Note: Drilled unsampled to 4.0 ft.										
	36 28 22 22	S2 18	2.0 4.0	2.0	CL	Hard gray-brown lean CLAY with sand (CL), mps 0.5 in., no structure, no odor, moist, 5% cinders and ash, trace brick and concrete specks PID = 0.0/0.0 ppm			5	5	15	75	N	L	L	
						-FILL-										
	7 7 75/0" 25* 14	S3 15	4.0 6.0			Similar to S2 except asphalt at bottom of recovery Note: Approximate former ground surface.										
5				14.1 5.0		-ASPHALT EM-1 CAP-										
				13.7 5.4		Note: No recovery below asphalt										
	27 25 22 18	S4 14	6.0 8.0		SM	Dense dark gray silty SAND (SM), mps 0.6 in., no structure, no odor, moist, 10-15% cinders, ash, and clinkers, trace brick specks, concrete specks, metal PID = 0.0/0.0 ppm		10	10	15	30	35				
						-FILL-										
	5 2 3 20	S5 15	8.0 10.0		SM	Loose black silty SAND (SM), mps 1.0 in., no structure, no odor, wet, trace sheen, 5% brick and concrete specks, 10% cinders, ash, clinkers PID = 0.0/0.0 ppm		5	15	0	40	20				
10				9.1												
	10 8 7 8	S6 8	10.0 12.0	10.0	CL	Stiff olive to yellow gray lean CLAY with sand (CL), mps 8 mm, disturbed, no odor, wet, occasional sand seams with slight sheen, trace cinders and ash				5	15	80	N	L	L	
	8 9 4 7	S7 18	12.0 14.0		CL	Similar to S6				5	10	85	N	L	L	
						-HYDRAULIC FILL-										
	6 3 4 5	S8 24	14.0 16.0		CL	Medium stiff olive gray lean CLAY (CL), mps 2 mm, disturbed, no odor, wet					5	95	N	L	L	
15				3.1 16.0		BOTTOM OF EXPLORATION 16.0 FT										
						Note: Grouted boring to surface upon completion. *indicates 300-lb hammer used to drive split spoon										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	16.0
Rock Cored (ft)	-
Samples	S8

Boring No. L8

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. M7 (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 20 December 2010
Finish 21 December 2010
Driller D. Sheldon
H&A Rep. B.Babcock
Elevation 18.6
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile Drill B-57
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Spun to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.1 0.5		-ASPHALT-										
						Note: Advanced borehole to 5.0 ft unsampled. Note: Rig chatter observed from 2.0 to 3.0 ft. -FILL-										
5	87 100/5"	S1 4	5.0 5.9	12.7 5.9	SM	Very dense gray-brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, moist, trace ash, slag, plastic PID = 0.0/0.0 ppm	5	10	10	20	35	20				
				12.3 6.3		-RUBBLE FILL-										
	58 15 24 12	S2 6	7.0 9.0		SM	Dense brown to gray-brown silty SAND (SM), mps 0.5 in., intermixed with gray lean CLAY, no odor, moist, trace ash, slag PID = 0.0/0.0 ppm		5	5	20	40	30				
				9.6 9.0		-FILL-										
10	5* 4* 4* 5*	S3 20	9.0 11.0		OL-OH	Medium stiff brown with gray ORGANIC SOIL with sand (OL-OH), mps 0.25 in., intermixed with silt and lean clay, no odor, moist, trace cinder, ash, slag PID = 0.0/0.0 ppm			5	10	10	75				
	4 8 8 10	S4 20	11.0 13.0		OL-OH	Similar to above PID = 0.0/0.0 ppm				5	15	80				
	5 3 5 7	S5 20	13.0 15.0		CL	Medium stiff gray with olive-gray lean CLAY with sand (CL), mps 0.25 in., reworked, no odor, moist, pockets of organic soil PID = 0.0/0.0 ppm				5	15	80				
15	9 9 11 13	S6 24	15.0 17.0		CL	Similar to above except very stiff PID = 0.0/0.0 ppm					20	80				
						-HYDRAULIC FILL-										
	9 15 12 10	S7 24	17.0 19.0		CL	Similar to above PID = 0.0/0.0 ppm					20	80				
20	13 10 11 10	S8 24	19.0 21.0		CL	Similar to above PID = 0.0/0.0 ppm					20	80				
				-2.4 21.0		BOTTOM OF EXPLORATION 21.0 FT Note: Installed Observation Well in completed borehole. See Observation Well Installation Report for details. *indicates 300-lb hammer with 3-in. spoon used to obtain sample.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/22/2011	0932	46.0	20.0	20.0	7.03*

*Measured in completed installation

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 21.0
Rock Cored (ft) -
Samples S8

Boring No. M7 (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N17A (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 2
Start 30 December 2010
Finish 30 December 2010
Driller G. Peterson
H&A Rep. B. Babcock
Elevation 18.6
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 15.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.2		-ASPHALT-										
				0.4		-GRAVEL-										
				17.8												
	20* 25* 50/1"*	S1 10	1.0 2.1	0.8	SM	Note: Approximate former ground surface.	5	10	15	20	35	20				
				17.6		-POSSIBLE ASPHALT EM-1 CAP-										
				1.0												
				16.5		S1: Very dense gray-brown to olive-gray silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm										
				2.1												
				15.3		-FILL-										
				3.3		Note: Drill action indicates gravel, rubble from 2.1 to 3.3 ft.										
	22 31 40 21	S2 14	4.0 6.0		SM	Similar to above except dark brown, trace metal, brick, faint petroleum odor PID = 0.4/0.0 ppm	5	10	10	15	40	20				
5						-FILL-										
	12 8 8 10	S3 12	6.0 8.0		ML	Medium dense olive-brown sandy SILT (ML), mps 0.25 in., no structure, no odor, moist, trace metal PID = 0.0/0.0 ppm		5	5	10	20	60				
	17 6 9 10	S4 14	8.0 10.0		ML	Similar to above, trace wood, faint petroleum odor PID = 0.6/0.0 ppm		5	5	10	15	65				
10	1 3 4 4	S5 20	10.0 12.0		ML	Loose olive-gray SILT with sand (ML), mps 0.25 in., reworked, no odor, wet PID = 0.0/0.0 ppm				5	10	85	R			
				5.6												
				13.0		Note: Cohesive soil in wash cuttings at approximately 13.0 ft.										
						-HYDRAULIC FILL-										
15						Note: Advanced borehole to 19.0 ft unsampled.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/30/2010	1200	0.5	15.0	28.0	4.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 28.0
Rock Cored (ft) -
Samples S10

Boring No. N17A (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N17A (OW)

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 2 3 6	S6 20	19.0 21.0			OL-OH	Medium stiff gray with gray-brown sandy ORGANIC SOIL (OL-OH), mps 0.25 in., reworked, no odor, wet, trace wood, cinder, ash PID = 0.0/0.0 ppm				5	25	70				
							-HYDRAULIC FILL-										
	5 4 4 5	S7 20	21.0 23.0			CL	Medium stiff olive-gray sandy lean CLAY (CL), mps 0.25 in., reworked and intermixed with organic soil and silt, no odor, wet, trace coal, wood PID = 0.0/0.0 ppm				5	25	70				
	2 4 5 9	S8 24	23.0 25.0		-4.4 23.0	OL-OH	Medium stiff olive-gray ORGANIC SOIL (OL-OH), mps < 1 mm, frequent pockets of brown fibrous PEAT, strong organic odor, wet PID = 0.0/0.0 ppm						100				
25	6 4 6 4	S9 24	25.0 27.0			OL-OH	Similar to above PID = 0.0/0.0 ppm						100				
							-ORGANIC DEPOSITS-										
	5 5	S10 8	27.0 28.0		-9.4 28.0	OL-OH	Similar to above PID = 0.0/0.0 ppm						100				
							BOTTOM OF EXPLORATION 28.0 FT										
							Note: Installed Observation Well in completed borehole. See Observation Well Installation Report for details.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N19

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	29 December 2010
Finish	29 December 2010
Driller	G. Peterson
H&A Rep.	B. Babcock
Elevation	18.8 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 9.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.2 / 0.6		-ASPHALT-										
	32 60 39* 21*	S1 14	1.0 3.0		SM	Very dense gray-brown to brown silty SAND with gravel (SM), mps 0.75 in., no structure, no odor, moist, trace brick, concrete, cinders PID = 0.0/0.0 ppm	5	10	10	15	35	25				
						-FILL-										
	26* 24* 17* 13*	S2 12	3.0 5.0		SM	Similar to above except dense with 15% cinders, ash, brick PID = 0.0/0.0 ppm	5	10	15	20	30	20				
5	5 6 6 8	S3 8	5.0 7.0		ML	Medium dense gray-brown sandy SILT (ML), mps 0.25 in., no structure, no odor, wet, trace brick PID = 0.0/0.0 ppm			5	5	25	65				
	6 8 3 2	S4 12	7.0 9.0	11.8 / 7.0	OL-OH	Medium stiff gray-brown sandy ORGANIC SOIL (OL-OH), mps 0.25 in., reworked, no odor, wet PID = 0.0/0.0 ppm				15	20	65				
						-HYDRAULIC FILL-										
10	1 1/12" 2	S5 3	9.0 11.0		OL-OH	Very soft olive-gray with brown ORGANIC SOIL with sand (OL-OH), mps 5 mm, reworked, no odor, wet PID = 0.0/0.0 ppm					15	85				
				7.8 / 11.0		BOTTOM OF EXPLORATION 11.0 FT										

Note: Grouted boring to surface upon completion.
*indicates 300-lb hammer used to drive split spoon

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/29/2010	1400	0.25	9.0	11.0	1.6

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	11.0
Rock Cored (ft)	-
Samples	S5

Boring No. N19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. N9

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	29 December 2010
Finish	30 December 2010
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	18.4 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 11.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.1 / 0.3		-ASPHALT-										
	47 25 45 39	S1 10	1.0 3.0		SM	Very dense light gray silty SAND with gravel (SM), mps 1.25 in., no structure, no odor, wet from drilling, trace concrete PID = 0.0/0.3 ppm	10	10	5	10	35	30				
						-FILL-										
	22 19 15 120/5"	S2 12	3.0 4.9		SM	Similar to above PID = 0.0/1.3 ppm										
				13.5 / 4.9		Note: Approximate former ground surface.										
5						-ASPHALT EM-1 CAP-										
	9 20	S3 7	5.4 6.4	13.2 / 5.2	SM	S3 & S4: Medium dense black silty SAND (SM), mps 0.875 in., no structure, slight petroleum odor, wet PID = 0.0/282.7 ppm		5	15	15	30	35				
	5 6 6 9	S4 18	6.4 8.4			-FILL- PID = 0.0/339.9 ppm										
	6 3 2 6	S5 16	8.4 10.4			Similar to above except loose PID = 0.0/302.0 ppm										
10				8.4 / 10.0		Note: Bottom 2.0 in. of S5 olive lean clay (Hydraulic Fill)										
	4 5 5 6	S6 20	10.4 12.4		CL	Stiff olive lean CLAY (CL), trace fine sand in irregular pockets, mps < 0.0625 in., disturbed, no odor, moist PID = 0.0/28.5 ppm						100				
	6 6 5 3	S7 22	12.4 14.4		CL	Similar to above PID = 0.0/9.8 ppm					5	95				
15	3 2 3 3	S8 20	14.4 16.4		CL	Similar to above, medium stiff PID = 0.0/0.0 ppm					5	95				
						-HYDRAULIC FILL-										
	4 4 4 4	S9 24	16.4 18.4		CL	Similar to above with irregular coloring, trace shells PID = 0.0/0.0 ppm				5	5	90				
	2 3 3 3	S10 24	18.4 20.4		CL	Similar to above with irregular dark brown peat pockets (disturbed) PID = 0.0/0.0 ppm					5	95				
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/30/2010	1055	5 min	11.0	26.5	5.8

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.4
Rock Cored (ft)	-
Samples	S13

Boring No. N9

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

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TEST BORING REPORT

Boring No. N9

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	2 3 3 5	S11 24	20.4 22.4		CL	Medium stiff olive-gray lean CLAY with sand (CL), mps 0.03125 in., no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-					15	85				
	5 9 11 12	S12 24	22.4 24.4	-5.6 24.0	CL	Similar to above except very stiff PID = 0.0/0.0 ppm										
25	2 3 5 6	S13 24	24.4 26.4	-8.0 26.4	OL-OH	Medium stiff olive-gray ORGANIC SOIL with 30% peat fibers, mps aphanitic, no structure, organic odor, moist PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
						BOTTOM OF EXPLORATION 26.4 FT Note: Grouted boring to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. N9

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. O11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	30 December 2010
Finish	3 January 2010
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	18.5
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 14.5 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				18.2 / 0.3		-ASPHALT-										
5	51 39 25 18	S1 14	4.5 6.5		SP	Very dense black poorly-graded SAND with gravel (SP), mps 0.75 in., no structure, no odor, wet, 5% ash and cinders, trace glass, trace brick, trace slag PID = 0.0/218.7 ppm	5	10	20	20	40	5				
	17 12 9 13	S2 9	6.5 8.5		SP	Similar to above except medium dense PID = 0.0/209.0 ppm -FILL-										
	15 6 7 10	S3 9	8.5 10.5	8.5	SP	Similar to above PID = 0.0/152.3 ppm										
10	10 7 6 5	S4 8	10.5 12.5	10.0	CL	Stiff olive-gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet, trace organic fibers, trace shells PID = 0.0/27.7 ppm			5	5	15	75				
	10 7 6 7	S5 20	12.5 14.5	4.0	CL	Similar to above -HYDRAULIC FILL- PID = 0.0/8.7 ppm										
15	2 1 2 2	S6 20	14.5 16.5	14.5	OL-OH	Soft olive gray sandy ORGANIC SOIL (OL-OH), mps 0.125 in., no structure, no odor, wet, trace peat fibers, trace shells, appears to be disturbed -HYDRAULIC FILL- PID = 0.0/0.1 ppm				5	30	65				
	3 3 3 3	S7 24	16.5 18.5		OL-OH	Similar to above except medium stiff, occasional black staining PID = 0.0/0.1 ppm										
20	3 4 5 4	S8 24	18.5 20.5	-2.0 / 20.5	OL-OH	Similar to above PID = 0.0/0.0 ppm										
						BOTTOM OF EXPLORATION 20.5 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/3/2011	0730	4 days	10.5	14.5	3.9

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.5
Rock Cored (ft)	-
Samples	S8

Boring No. O11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P14A

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 5 January 2011
Finish 5 January 2011
Driller J. Boyd
H&A Rep. M. Dodson
Elevation 17.0 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 8.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.5		-ASPHALT-										
	15 17 15	S1 10	0.5 2.0	0.5	SM/ SC	Dark gray silty/clayey SAND with gravel (SM/SC), mps 1.2 in., no structure, no odor, moist -FILL- Note: Approximate former ground surface.	5	15	10	10	20	40				
	100/3*	S2 3	2.0 2.3	14.7 2.3		-ASPHALT EM-1 CAP-										
				14.0 3.0		Note: Drill action indicates probable granite cobbles.										
5	42 28 28 19	S3 9	4.0 6.0		SM	S3: No recovery, sample with 3-in. spoon. Dark gray silty SAND with gravel (SM), mps 2.2 in., no structure, slight petrochemical-like odor, wet	20	15	15	10	15	25				
	13 12 16 12	S4 8	6.0 8.0		SM	Similar to above except no odor -FILL-	10	20	15	15	15	25				
	2 1 1 2	S5 24	8.0 10.0	9.0 8.0	CL/ OL- OH	Very soft dark gray to gray lean CLAY with sand (CL) disturbed with ORGANIC SOIL (OL-OH), mps 0.3 in., no odor, wet		5	5		5	85	N	L	L	
10	1 1 1 1	S6 24	10.0 12.0		CL/ OL- OH	Similar to above except occasional (5%) peat fibers and sand lenses/seams/pockets -HYDRAULIC FILL-			5		10	85	N	L	L	
	2 1 2 3	S7 16	12.0 14.0		CL	Soft gray lean CLAY (CL), mps 2 mm, no structure, no odor, wet, trace peat fibers and shell specks, fines slightly organic				5	5	90	N	L	L	
				3.0 14.0		BOTTOM OF EXPLORATION 14.0 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.0
Rock Cored (ft) -
Samples S7

Boring No. P14A

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. P6

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	4 January 2011
Finish	4 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 9.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.4 / 0.6		-ASPHALT-										
	49 90 60/3"*	S1 10	1.0 2.3	14.7 / 2.3	SM	Very dense olive-gray with gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, dry, trace brick PID = 0.0/0.0 ppm	5	10	15	15	30	25				
						-FILL- -RUBBLE FILL-										
	44 20 20 25	S2 4	4.0 6.0	13.4 / 3.6	SM	Similar to above except dense, trace cinder PID = 0.0/0.0 ppm -FILL-	5	10	10	10	30	35				
5	13 7	S3 7	6.0 7.0	11.0 / 6.0	CL	Very stiff gray lean CLAY with sand (CL), mps 5 mm, reworked, no odor, wet PID = 0.0/0.0 ppm				5	10	85	N			
	7 3 5 6	S4 24	7.0 9.0		CL	Medium stiff gray lean CLAY (CL), mps 5 mm, reworked, occasional irregular pockets of fine sand, no odor, wet PID = 0.0/0.0 ppm					10	90	N			
10	3 3 4 6	S5 10	9.0 11.0		CL	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-					10	90	N			
	8 8 10 7	S6 24	11.0 13.0		CL	Very stiff gray lean CLAY with sand (CL), occasional irregular pockets of sand and organic soil, no odor, wet, trace shells PID = 0.0/0.0 ppm				5	10	85				
	3 6 7 7	S7 24	13.0 15.0		CL	Similar to above except stiff PID = 0.0/0.0 ppm					15	85				
15	11 10 10 9	S8 24	15.0 17.0		CL	Similar to above except very stiff PID = 0.0/0.0 ppm					15	85				
	8 7 8 8	S9 24	17.0 19.0		CL	Similar to above except stiff PID = 0.0/0.0 ppm					20	80				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/4/2011	1245	0.5	9.0	27.0	3.6*
		*Not stable			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.0
Rock Cored (ft)	-
Samples	S13

Boring No. P6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. P6

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	6 8 9 9	S10 24	19.0 21.0		CL	Very stiff gray with olive-gray lean CLAY with sand (CL), mps 0.25 in., reworked, intermixed with brown organic soil, no odor, wet PID = 0.0/0.0 ppm				5	20	75				
	5 8 11 10	S11 20	21.0 23.0		ML	Medium dense olive-gray SILT with sand (ML), mps 0.25 in., occasional irregular pockets of lean clay and organic soil, trace wood, shells, no odor, wet PID = 0.0/0.0 ppm				5	15	80				
	13 10 9 9	S12 15	23.0 25.0		CL	Very stiff olive-gray lean CLAY (CL), mps <2 mm, no structure, no odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-					5	95				
25	2 3 5 6	S13 24	25.0 27.0	-8.0 25.0	OL-OH	Medium stiff gray ORGANIC SOIL (OL-OH), mps <1 mm, occasional pockets of shells, strong organic odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-10.0 27.0		BOTTOM OF EXPLORATION 27.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. P6

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R11

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	4 January 2011
Finish	5 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	17.2
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.8 / 0.4		-ASPHALT-										
	14 120/4"	S1 8	1.0 1.8		SM	Very dense gray silty SAND with gravel (SM), mps 1.1 in., no structure, no odor, moist, 5% brick specks and fragments PID = 0.0/0.0 ppm	5	15	15	10	25	30				
	59 17 11 18	S2 12	3.0 5.0		SW-SM	Medium dense dark gray-brown well-graded SAND with silt and gravel (SW-SM), mps 1.1 in., no structure, slight petroleum-like odor, wet PID = 4.4/0.0 ppm	5	20	25	25	15	10				
						-FILL-										
5	30 31 33 25	S3 9	5.0 7.0		SW-SM	Similar to above except mps 0.8 in. PID = 1.6/0.0 ppm		15	30	25	20	10				
	6 3 4 3	S4 20	7.0 9.0	10.2 / 7.0	CL	Medium stiff gray lean CLAY (CL), no structure, no odor, wet PID = 0.0/0.0 ppm			5		5	90	N	L	M	
	1 1 1 1	S5 15	9.0 11.0		CL	Similar to above except very soft PID = 0.0/0.0 ppm				5	10	85	N	L	L	
10						-HYDRAULIC FILL-										
	1 1 1 1	S6 24	11.0 13.0		OL-OH	Very soft dark gray ORGANIC SOIL with sand (OL-OH), mps 2 mm, no structure, slight industrial-like odor, wet, trace shell, specks PID = 0.0/0.0 ppm				5	10	85	N	L	L	
	WOR 1 1 1	S7 24	13.0 15.0			Similar to above PID = 0.0/0.0 ppm				5	10	85	N	L	L	
15	1 2 2 3	S8 18	15.0 17.0		OL-OH	Similar to above except soft, trace wood fibers PID = 0.0/0.0 ppm			5		5	90	R S	N	L	
	WOR 2 5 3	S9 12	17.0 19.0		OL-OH	Medium stiff dark gray-black ORGANIC SOIL (OL-OH), 5% wood fibers, trace shell specks, no odor, wet PID = 0.0/0.0 ppm				5		95	R S	N	L	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	23.0
Rock Cored (ft)	-
Samples	S11

Boring No. R11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. R11

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 2 2 2	S10 13	19.0 21.0	-2.8 20.0	OL-OH	Similar to above PID = 0.0/0.0 ppm -HYDRAULIC FILL-					5	95	R S	N	L	
					OL-OH	Soft olive-gray ORGANIC SOIL (OL/OH), 10% peat fibers, trace shell specks, slight hydrogen sulfide odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95	N	L	M	
	1 2 3 3	S11 24	21.0 23.0	-4.3 21.5	PT	Medium stiff light brown PEAT (PT), no structure, strong hydrogen sulfide odor PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-						100				
				-5.8 23.0		BOTTOM OF EXPLORATION 23.0 FT										

Note: Grouted boring to surface upon completion.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S14a

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	3 January 2011
Finish	4 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	17.2
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 5.0 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.9 / 0.3		-ASPHALT-										
	21 44 37 47	S1 15	1.0 3.0	14.7 / 2.5	SW-SM	Very dense light gray well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	20	25	20	20	10				
						-FILL-										
	54 76 81 71	S2 10	3.0 5.0	12.2 / 5.0	SW-SM	Very dense gray to black well-graded SAND with silt and gravel (SW-SM), mps 0.8 in., no structure, no odor, moist, 10% cinders, ash, brick specks and clinkers PID = 0.0/0.0 ppm	5	15	20	25	25	10				
5	9 8 7 4	S3 9	5.0 7.0		CL	Stiff dark gray sandy lean CLAY with gravel (CL), mps 1.0 in., no structure, no odor, wet, gravel is granite fragments PID = 0.0/0.0 ppm	10	15	5	10	15	45	N	L	L	
	3 2 3 2	S4 16	7.0 9.0		CL	Medium stiff gray/olive-gray lean CLAY (CL), mps 3 mm, no structure, no odor, wet, occasional layers/zones of dark gray with moderate organic content PID = 0.0/0.0 ppm					10	90	N	L	M	
	1 1 1 1	S5 7	9.0 11.0		CL/ML	Soft gray lean CLAY/elastic SILT (CL/ML), mps 0.4 in., no structure, no odor, wet PID = 0.0/0.0 ppm			5		5	90	N S	L L	L L	
10						-HYDRAULIC FILL-										
	2 2 3 2	S6 8	11.0 13.0		CL	Similar to above except medium stiff PID = 0.0/0.0 ppm				5	5	90	N S	L N	L L	
	1/12" 1 1	S7 19	13.0 15.0		CL/SP	Very soft gray lean CLAY (CL) interbedded with poorly graded SAND (SP), mps 0.5 in., no odor, wet PID = 0.0/0.0 ppm		5		40	5 60	90	N	L	L	
15	11 8 5 6	S8 22	15.0 17.0	2.2 / 15.0	OL-OH	Stiff dark gray-brown ORGANIC SOIL with sand (OL-OH), mps 4 mm, no structure, no odor to slight petroleum/industrial-like odor, wet PID = 0.0/0.0 ppm				10	10	80	N	L	L	
						-HYDRAULIC FILL-										
	2 2 3 4	S9 20	17.0 19.0	0.2 / 17.0	CL	Medium stiff gray lean CLAY with (CL), mps 0.4 in., no structure, no odor, wet PID = 0.0/0.0 ppm		5	5	5	5	80	N	L	L	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	27.0
Rock Cored (ft)	-
Samples	S13

Boring No. S14a

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S14a

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
				-1.8		-HYDRAULIC FILL-										
20	5 4 2 2	S10 23	19.0 21.0	19.0	CL/ OL-OH	Similar to above except interbedded with dark gray-brown ORGANIC SOIL (OL-OH), approximately 15% fine to medium sand, trace shell specks PID = 0.0/0.0 ppm			5	5	5	85	N	L	L	
	2 3 4 5	S11 21	21.0 23.0		CL/ OL-OH	Similar to above PID = 0.0/0.0 ppm				5	5	90	N	L	L	
						-HYDRAULIC FILL-										
	7 6 8 9	S12 19	23.0 25.0	-6.3 23.5		Similar to above										
					OL-OH-PT	Stiff dark olive-gray ORGANIC SOIL (OL-OH) grading into brown PEAT (PT), slight petroleum/industrial-like odor, wet PID = 0.0/0.0 ppm					10	90	N	L	L	
25	4 8 11 8	S13 24	25.0 27.0		PT	Very stiff brown PEAT (PT), no structure, moderate hydrogen sulfide odor, wet PID = 0.0/0.0 ppm					5	95				
						-ORGANIC DEPOSITS-										
				-9.8 27.0		BOTTOM OF EXPLORATION 27.0 FT										
						Note: Grouted boring to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. S14a

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

TEST BORING REPORT

HALEY & ALDRICH

Boring No. S18

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	16 December 2010
Finish	16 December 2010
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	17.5 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 6.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				17.1		-ASPHALT-										
	8 113	S1 10	0.5 1.5	0.4	SW	Very dense gray well-graded SAND with gravel (SW), mps 0.5 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	10	25	30	25	5				
	100/ 3"	S2 2	1.5 1.7	15.8 1.7	SW	Similar to above PID = 0.0/0.0 ppm										
				15.5 2.0		-FILL- Note: Possible concrete from 1.7 to 2.0 ft (gray wash water). Abrupt change in wash water color to dark brown at 2.0 ft.										
	3 2 2 4	S3 15	3.5 5.5		OL-OH	Soft dark olive ORGANIC SOIL with sand (OL-OH), mps 1/16 in., no structure except irregular color variations dark olive to dark gray to black, no odor, wet PID = 0.0/0.0 ppm					20	80				
5	4 4 3 3	S4 18	5.5 7.5		OL-OH	Similar to above except medium stiff PID = 0.0/0.0 ppm					20	80				
	3 1 2 3	S5 18	7.5 9.5		OL-OH	Similar to above, soft, trace peat fibers PID = 0.0/0.0 ppm										
10	3 3 2 2	S6 16	9.5 11.5		OL-OH	Similar to above, medium stiff PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
	2 1 3 2	S7 15	11.5 13.5		OL-OH	Similar to above, soft, trace shells PID = 0.0/0.0 ppm										
	3 3 3 3	S8 16	13.5 15.5		OL-OH	Similar to above, medium stiff PID = 0.0/0.0 ppm										
15	2 1 2 1	S9 18	15.5 17.5		OL-OH	Similar to above, soft PID = 0.0/0.0 ppm										
	2 2 2 2	S10 20	17.5 19.5	0.0 17.5	CL	Soft olive lean CLAY (CL), mps aphanitic, no structure, no odor, wet PID = 0.0/0.0 ppm -MARINE DEPOSITS-										
				-2.0 19.5		BOTTOM OF EXPLORATION 19.5 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/16/10	1110	20 min.	6.0	19.5	4.2

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.5
Rock Cored (ft)	-
Samples	S10

Boring No. S18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S8 (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 2
Start 3 January 2011
Finish 3 January 2011
Driller D. Sheldon
H&A Rep. B. Babcock
Elevation 16.3
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: Mobile B-57 Truck
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 19.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Winch/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
				15.5 0.8												
	13* 15*	S1 10	1.0 2.3		SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick PID = 0.0/0.0 ppm	5	10	10	15	35	25				
	56 53 55 50	S2 10	2.3 4.3		SM	-FILL- Similar to above PID = 0.0/0.0 ppm Note: Approximate former ground surface.	5	10	10	15	35	25				
				12.0 4.3												
5	39 17 25 14	S3 6	4.3 6.3		SM	Dense dark brown silty SAND with gravel (SM), mps 0.5 in., no structure, no odor, wet, 15% ash, cinder, glass, wood PID = 0.0/0.0 ppm -FILL-	5	10	15	20	25	25				
	10 13 7 5	S4 8	6.3 8.3		SM	Similar to above except medium dense PID = 0.0/0.0 ppm	5	15	20	25	15	20				
				8.0 8.3												
	6 3 5 6	S5 8	8.3 10.3		CL	Medium stiff olive-gray lean CLAY with sand (CL), mps 0.25 in., reworked, no odor, wet, trace cinders PID = 0.0/0.0 ppm -HYDRAULIC FILL-			5	5	15	75				
10	2 2 2 3	S6 24	10.3 12.3		CL	Similar to above PID = 0.0/0.0 ppm				5	10	85				
	3 4 5 5	S7 24	12.3 14.3		CL	Similar to above, trace wood, shells PID = 0.0/0.0 ppm				5	10	85				
15	4 4 8 10	S8 6	14.3 16.3		CL	Stiff gray sandy lean CLAY (CL), mps 0.5 in., reworked, frequent irregular pockets of sand, no odor, wet PID = 0.0/0.0 ppm		5	5	10	15	65				
	10 12 18 23	S9 14	16.3 18.3		SM	Medium dense olive-brown silty SAND (SM), mps 0.25 in., disturbed, occasional pockets of organic soil, no odor, wet PID = 0.0/0.0 ppm			10	15	45	30				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/3/2011	1415	0.5	19.0	24.3	4.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 24.3
Rock Cored (ft) -
Samples S12

Boring No. S8 (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. S8 (OW)

File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	14 6 7 4	S10 10	18.3 20.3			OL-OH	Stiff dark olive-brown ORGANIC SOIL with sand (OL-OH), mps 5 mm, reworked, faint organic odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-				10	15	75				
20					-4.0 20.3												
	4 6 8 9	S11 6	20.3 22.3			OL-OH	Stiff dark olive-brown ORGANIC SOIL (OL-OH), mps <1 mm, frequent pockets of brown fibrous PEAT, strong organic odor, wet -ORGANIC DEPOSITS-						100				
	10 11 11 14	S12 20	22.3 24.3			PT	Stiff brown PEAT (PT), mps <1 mm, stratified, strong organic odor, wet						100				
					-8.0 24.3		BOTTOM OF EXPLORATION 24.3 FT Note: Observation well installed in completed borehole. See observation well installation report for details. *indicates 300-lb hammer and 3-in. spoon used to obtain sample.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. S8 (OW)

HALEY & ALDRICH

TEST BORING REPORT

Boring No. T14

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	16 December 2010
Finish	16 December 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 19.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.4 / 0.6		-ASPHALT-										
	45* 40* 60/3*	S1 12	1.0 2.3		SM	Very dense dark brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, 10% ash, cinder, brick PID = 0.6/0.6 ppm	5	10	10	20	35	20				
						Note: Drill action indicates gravel and/or cobbles from 2.3 to 3.5 ft. -FILL-										
	8* 11* 7*	S2 3	3.5 5.0		SC	Dense gray clayey SAND with gravel (SC), mps 0.5 in., disturbed, no odor, moist, trace brick PID = 0.6/0.6 ppm	5	10	5	10	15	55				
5	6 3 4 4	S3 14	5.0 7.0	12.0 / 5.0	CL	Note: Approximate former ground surface at 5.0 ft. Medium stiff gray sandy lean CLAY (CL), mps 0.5 in., disturbed, no odor, wet, trace brick PID = 0.4/0.6 ppm		5	5	10	15	65				
	2 1 2 2	S4 20	7.0 9.0		CL	Soft gray lean CLAY with sand (CL), mps 0.25 in., intermixed with organic soil, slight organic odor, wet PID = 0.6/0.6 ppm		5	5	5	10	75				
						-HYDRAULIC FILL-										
10	3 2 3 3	S5 12	9.0 11.0		CL	Similar to above except medium stiff PID = 0.6/0.6 ppm		5	5	5	10	75				
	1 1 2 3	S6 20	11.0 13.0		CL	Similar to above except soft PID = 0.6/0.6 ppm			5	10	10	75				
	6 9 10	S7 16	13.0 15.0		CL	Similar to above except stiff PID = 0.6/0.6 ppm			5	10	10	75				
15	6 4 5 6	S8 10	15.0 17.0		CL	Stiff gray lean CLAY with sand (CL), mps 0.2 in., disturbed and intermixed with organic soil, trace wood PID = 0.6/0.6 ppm				5	15	80				
	7 7 8 7	S9 20	17.0 19.0		CL	Similar to above PID = 0.4/0.6 ppm					15	85				
20	5 6 4 7	S10 20	19.0 21.0	-4.0 / 21.0	CL	Similar to above except trace fine gravel PID = 0.4/0.6 ppm					15	85				
						BOTTOM OF EXPLORATION 21.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	21.0
Rock Cored (ft)	-
Samples	S10

Boring No. T14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. T15

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	16 December 2010
Finish	16 December 2010
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 17.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.4		-ASPHALT-										
	19* 50/4*	S1 6	1.0 1.9	0.6 15.1	SM	Very dense brown silty SAND with gravel (SM), mps 1.3 in., no structure, no odor, dry, trace brick, asphalt, plastic PID = 0.6/0.6 ppm	10	10	10	20	30	20				
				1.9 14.4		-FILL-										
	18 12 9 7	S2 8	3.0 5.0	2.6	SM	-RUBBLE FILL- Similar to above except medium dense PID = 1.0/1.0 ppm	5	10	10	15	40	20				
						-FILL- Note: Approximate former ground surface at 5.0 ft.										
5	3 4 7 4	S3 12	5.0 7.0	12.0 5.0	CL	Stiff gray with brown lean CLAY with sand (CL), mps 0.5 in., disturbed, no odor, wet, trace wood, brick PID = 1.2/1.2 ppm			5	10	10	75				
	1 3 5 6	S4 6	7.0 9.0		CL	Similar to above except medium stiff, occasional pockets of organic soil PID = 1.0/1.2 ppm			5	5	15	75				
10	6 4 6 5	S5 24	9.0 11.0		OL-OH	Stiff dark brown ORGANIC SOIL with sand (OL-OH), mps 0.25 in., disturbed, faint organic odor, wet, trace wood, pods of clay PID = 1.0/1.4 ppm										
	1 3 2 8	S6 10	11.0 13.0		OL-OH	Similar to above PID = 1.2/1.2 ppm				10	15	75				
						-HYDRAULIC FILL-										
	2 3 4 6	S7 14	13.0 15.0		OL-OH	Similar to above PID = 0.6/1.0 ppm				10	15	75				
15	2 2 3 4	S8 14	15.0 17.0		OL-OH	Similar to above PID = 1.1/1.1 ppm				5	20	75				
	2 3 4 6	S9 14	17.0 19.0		OL-OH	Similar to above PID = 1.2/1.2 ppm				5	20	75				
				-2.0 19.0		BOTTOM OF EXPLORATION 19.0 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	19.0
Rock Cored (ft)	-
Samples	S9

Boring No. T15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U10

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	29 December 2010
Finish	30 December 2010
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	16.0 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven to 8.0 ft
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.7		-ASPHALT-										
	42 120/2"	S1 6	0.5 1.2	0.3	SW	S1, top: Very dense gray well-graded SAND with gravel (SW), mps 1.375 in., no structure, no odor, moist PID = 0.0/0.0 ppm	5	15	25	25	25	5				
				14.2 1.8	SM	Note: Concrete with steel 1.2 to 1.8 ft. Made 2 attempts at this depth, moving boring twice.	5	20	25	10	20 50	20 50				
	28 15 14 10	S2 12	2.0 4.0			S1, bottom: Medium dense dark brown-black silty SAND with gravel (SM), mps 1.375 in., no structure, no odor, moist PID = 0.0/0.0 ppm										
	4 2 3 2	S3 17	4.0 6.0	11.5 4.5	CL	S2, top: Similar to above, no gravel -FILL- S2, bottom: Medium stiff olive-gray to gray lean CLAY (CL), mps 0.4 in., no structure, no odor, moist PID = 0.0/0.0 ppm		5			5	90	N	L	M	
5	4 3 4 3	S4 8	6.0 8.0		CL	Similar to above except soft, mps 2 mm PID = 0.0/0.0 ppm -HYDRAULIC FILL-				5		95	N	L	M	
	WOR 2 2 2	S5 24	8.0 10.0		CL	Soft olive-gray to dark gray lean CLAY (CL), mps 0.5 in., disturbed/layered, no odor, wet, occasional sandy layers PID = 0.0/0.0 ppm		5			10	85	N	L	M	
10	2 2 1 1	S6 18	10.0 12.0		CL	Similar to above except soft, mps 4 mm PID = 0.0/0.0 ppm			5		10	85	N	L	M	
	1 1 1 2	S7 24	12.0 14.0		CL	Very soft light olive-gray to dark gray-brown lean CLAY (CL), mps 0.3 in., no structure (disturbed), no odor, wet, trace shell specks PID = 0.0/0.0 ppm			5		5	90	N	L	M	
15	1 1 3 4	S8 13	14.0 16.0		CL	Similar to above except soft PID = 0.0/0.0 ppm					10	90	N	L	M	
	2 1 3 4	S9 15	16.0 18.0	0.0 16.0	OL-OH	Black ORGANIC SOIL with sand (OL/OH), mps 0.5 in. (shell), no structure, slight to moderate industrial/petroleum-like odor, wet, fines slightly elastic PID = 0.0/0.0 ppm				5	15	80	N	L	L	
20	3 1 1 2	S10 20	18.0 20.0		OL-OH	Similar to above except very soft, 6-in. layer of sandy SILT 18.0 to 18.5 ft PID = 0.0/0.0 ppm					10	90	N	L	L	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. U10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U10

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2 3 3 4	S11 16	20.0 22.0		OL-OH	Medium stiff dark brown-black ORGANIC SOIL (OL/OH), no structure, moderate petroleum/industrial-like odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL-					10	90	N	L	L	
				-6.0 22.0												
	1 1 4 4	S12 24	22.0 24.0		OL-OH	Medium stiff olive ORGANIC SOIL (OL/OH), mps 1 mm (peat), 10% peat fibers, no structure, slight hydrogen sulfide odor, wet PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95	N	L	L	
	6 5 10 13	S13 20	24.0 26.0			Similar to above except black with 30% peat fibers 24.0 to 24.5 ft										
25				-9.0 25.0	CL	Very stiff light gray to yellow-gray lean CLAY (CL), mps > 1 mm, no structure, no odor, wet PID = 0.0/0.0 ppm						100	N	L	L	
				-10.0 26.0		-MARINE DEPOSITS- BOTTOM OF EXPLORATION 26.0 FT Note: Grouted boring to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. U10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U12

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 2
Start	29 December 2010
Finish	29 December 2010
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	16.2
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 8.0 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.9 / 0.3		-ASPHALT-										
	30 34 45	S1 11	0.5 2.0		SW-SM	Very dense light gray well-graded SAND with silt and gravel (SW-SM), mps 1.375 in., no structure, no odor, moist PID = 0.0/0.0 ppm	10	10	15	25	30	10				
						-FILL-										
	24 35 14 15	S2 16	2.0 4.0		SW-SM	Similar to above except dense dark gray-brown below approximately 2.5 ft, trace brick specks PID = 0.0/0.0 ppm	5	15	15	30	25	10				
	11 7 4 3	S3 12	4.0 6.0	12.2 / 4.0	SM	Similar to above except "silty SAND"		15	10	15	40	20				
5				11.7 / 4.5	CL	Stiff olive-gray lean CLAY (CL), mps 0.5 in., no structure, no odor, moist, 5% peat fibers PID = 0.0/0.0 ppm					10	90	N	L	L	
	3 3 2 4	S4 17	6.0 8.0		CL	Similar to above except medium stiff, trace shell specks PID = 0.0/0.0 ppm					5	95	N	L	L	
	3 2 3 2	S5 24	8.0 10.0		CL	Similar to above except no peat fibers PID = 0.0/0.0 ppm					5	95	N	L	L	
						-HYDRAULIC FILL-										
10	WOR 6 2 2	S6 19	10.0 12.0		CL	Medium stiff dark to light gray lean CLAY (CL), mps 6 mm (shell fragment), disturbed, no odor to faint petroleum-like odor, wet, trace shell specks, fines, slightly organic PID = 0.0/0.0 ppm					5	95	N	L	L	
	2 2 2 2	S7 24	12.0 14.0		CL	Similar to above except soft PID = 0.0/0.0 ppm				5		95	N	L	L	
15	1 1 2 3	S8 6	14.0 16.0		CL	Similar to above PID = 0.0/0.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.0
Rock Cored (ft)	-
Samples	S13

Boring No. U12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U12

File No. 12486-530

Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
	1 4 6 3	S9 22	16.0 18.0		CL	Similar to above except gray poorly graded SAND in spoon tip PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
				-1.6 17.8												
	3 7 4 3	S10 21	18.0 20.0		SP	Loose gray-brown poorly graded SAND (SP), mps 3 mm, no structure, no odor, wet, 20% broken shell specks, light gray lean CLAY 18.5 to 19.5 ft PID = 0.0/0.0 ppm -FILL-			10	65	25					
				-3.7 19.9												
20	6 6 9 11	S11 18	20.0 22.0		OL-OH	Stiff dark gray-brown ORGANIC SOIL (OL-OH), no structure, slight industrial-like odor, wet PID = 0.0/0.0 ppm -HYDRAULIC FILL- Similar to above except very stiff PID = 0.0/0.0 ppm				5	10	85	N S	L L	L L	
				-5.8 22.0												
	1 3 11 14	S12 17	22.0 24.0		SC	Very loose gray clayey/silty SAND (SC), mps 0.2 in., no structure, no odor, wet PID = 0.0/0.0 ppm			10	40	30	20				
				-6.8 23.0												
						-MARINE DEPOSITS-										
25	11 14 17 21	S13 20	24.0 26.0		CL	Very stiff gray lean CLAY (CL), mps < 1 mm, no structure, no odor, wet, trace peat fibers PID = 0.0/0.0 ppm Similar to above except olive PID = 0.0/0.0 ppm					5	95	N	L	L	
				-9.8 26.0		BOTTOM OF EXPLORATION 26.0 FT Note: Grouted boring to surface upon completion.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. U12

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U14

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	10 January 2011
Finish	11 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 9.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.5		-ASPHALT-										
	36* 38*	S1 6	0.5 1.5	0.5	SW-SM	Very dense brown well-graded SAND with silt and gravel (SW-SM), mps 1.0 in., no structure, no odor, dry, trace concrete PID = 0.0/0.0 ppm	5	10	10	25	40	10				
						-FILL-										
	5 5 10 2	S2 8	3.0 5.0		SM	Medium dense brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet PID = 0.0/0.0 ppm	5	10	10	20	25	30				
				12.0		Note: Approximate former ground surface.										
5	4 3 4 4	S3 16	5.0 7.0	5.0	CL	Medium stiff gray lean CLAY with sand (CL), mps 0.25 in., no structure, no odor, wet PID = 0.0/0.0 ppm				5	10	85				
	1 1 1 2	S4 12	7.0 9.0		CL	Similar to above except very soft, reworked with occasional pockets of organic soil PID = 0.0/0.0 ppm				5	15	80				
10	2 1 1 2	S5 15	9.0 11.0		CL	Similar to above PID = 0.0/0.0 ppm					20	80				
						-HYDRAULIC FILL-										
	2 2 20 9	S6 24	11.0 13.0		CL	Very stiff gray sandy lean CLAY (CL), mps 0.25 in., no odor, wet, occasional pockets of sand, reworked PID = 0.0/0.0 ppm			5	5	20	70				
				4.0 13.0		BOTTOM OF EXPLORATION 13.0 FT										

Note: Grouted boring to surface upon completion.
*indicates 300-lb hammer used to drive split spoon

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/11/11	0930	0.5	9.0	13.0	3.1*
		*Not stable			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	-
Samples	S6

Boring No. U14

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U15

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	16 December 2010
Finish	16 December 2010
Driller	J. Galvin
H&A Rep.	S. Shay
Elevation	16.8 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 on Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 6.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.4		-ASPHALT-										
	81 125	S1 6	0.5 1.5	0.4	SW	Very dense gray well-graded SAND with gravel (SW), mps 0.5 in., no structure, no odor, wet from drilling PID = 0.0/0.0 ppm	5	10	25	30	2	5				
				15.3 1.5 14.8		-FILL-										
				2.0		Possible concrete or gravel bedrock										
	10 11 10 12	S2 6	3.0 5.0		GP	Medium dense black poorly graded GRAVEL with sand (GP), mps 1.0 in., no structure, no odor, wet from drilling obstruction PID = 0.0/0.0 ppm	5	60	20	10	5					
5	21 11 7 12	S3 4	5.0 7.0		GP	Similar to above PID = 0.0/0.0 ppm										
						-FILL-										
	13 5 5 4	S4 6	7.0 9.0	9.8 7.0	SP	Loose dark gray poorly graded SAND with gravel (SP), mps 1.5 in., no structure, no odor, wet PID = 0.0/0.0 ppm	10	10	50	25	5					
10	3 2 1 2	S5 10	9.0 11.0	7.8 9.0	CL	Soft gray sandy lean CLAY (CL), mps 1/16 in., no structure, no odor, wet PID = 0.0/0.0 ppm										
	2 3 3 3	S6 19	11.0 13.0		OL-OH	Medium stiff dark olive sandy ORGANIC SOIL (OL-OH), mps 1/16 in., irregular pockets, no odor, wet, trace organic fibers PID = 0.0/0.0 ppm										
						-HYDRAULIC FILL-										
				3.8 13.0		BOTTOM OF EXPLORATION 13.0 FT										
						Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/16/10	1355	none	Pulled	13.0	6.5

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	-
Samples	S6

Boring No. U15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. U16

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	11 January 2011
Finish	11 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	17.0
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 9.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.5		-ASPHALT-										
	5* 35*	S1 5	0.5 1.5	0.5	SM	Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist, trace brick, concrete PID = 0.0/0.0 ppm	5	10	10	20	40	15				
						-FILL-										
				14.0												
	37 9 10 4	S2 10	3.0 5.0	3.0	OL-OH	Very stiff olive-brown sandy ORGANIC SOIL (OL-OH), mps 0.5 in., faint gasoline-like odor, moist, reworked PID = 26.2/0.0 ppm		5	5	10	20	60				
5	6 5 6 4	S3 6	5.0 7.0		ML	Medium dense olive-brown sandy SILT (ML), mps 0.5 in., not odor, wet, trace cinder, occasional pockets of organic soil PID = 0.0/0.0 ppm		5	5	10	20	60				
	8 2 3 6	S4 12	7.0 9.0		CL	Medium stiff gray sandy lean CLAY (CL), mps 0.75 in., no odor, wet, reworked PID = 0.0/0.0 ppm		5	5	10	15	65	N			
10	5 3 3 5	S5 20	9.0 11.0		OL-OH	Medium stiff olive-brown sandy ORGANIC SOIL (OL-OH), mps 0.25 in., no odor, wet, reworked, trace cinder, metal PID = 0.0/0.0 ppm			5	10	15	70				
	1 1 2 3	S6 24	11.0 13.0		OL-OH	Similar to above except soft, faint organic odor PID = 0.0/0.0 ppm					30	70				
						-HYDRAULIC FILL-										
				4.0 13.0		BOTTOM OF EXPLORATION 13.0 FT										

Note: Grouted boring to surface upon completion.
*indicates 300-lb hammer used to drive split spoon

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/11/11	1130	0.5	9.0	13.0	2.5*
		*Not stable			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	-
Samples	S6

Boring No. U16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. V13

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	14 January 2011
Finish	14 January 2011
Driller	D. Sheldon
H&A Rep.	B. Babcock
Elevation	16.5 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile Drill B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Spun to 4.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				15.9 / 0.6		-ASPHALT-										
	12* 10* 10*	S1 10	1.0 2.5		SM	Dense dark brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, wet, 20% cinders, ash, slag, glass, brick PID = 0.0/0.0 ppm	5	10	5	10	40	30				
	7* 8* 10* 6*	S2 10	2.5 4.5		SM	Similar to above PID = 0.0/0.0 ppm	5	10	5	10	40	30				
						-FILL- Note: Approximate former ground surface.										
5	6* 3* 2* 2*	S3 10	4.5 6.5	12.0 / 4.5	CL	Medium stiff gray sandy lean CLAY (CL), mps 0.25 in., no structure, no odor, moist, trace cinder, ash PID = 0.0/0.0 ppm -HYDRAULIC FILL-		5	5	10	15	65	N			
				10.0 / 6.5		BOTTOM OF EXPLORATION 6.5 FT Note: Grouted boring to surface upon completion. *indicates 300-lb hammer and 3-in. spoon used to obtain sample										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/14/11	1330	0.25	4.0	6.5	1.0**
		**Not stable			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	6.5
Rock Cored (ft)	-
Samples	S3

Boring No. V13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. V16

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 1
Start 17 December 2010
Finish 17 December 2010
Driller J. Galvin
H&A Rep. S. Shay
Elevation 14.0 (est.)
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: Mobile B-57 Truck
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 6.0 ft
Hoist/Hammer: Winch/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				13.6		-ASPHALT-										
				0.4	SP	S1, top 6 in.: Course sand layer (SP) PID = 0.0/0.0 ppm			95	5						
	4 26 44 76	S1 12	1.0 3.0	12.5 1.5	SM	-FILL- S1, bottom 18 in.: Very dense dark brown silty SAND with gravel (SM), mps 0.5 in., well-defined stratum change, no odor, wet from drilling asphalt		15	15	15	25	30				
	31 9 6 4	S2 4	3.0 5.0	11.0 3.0	GP	PID = 0.0/0.0 ppm Medium dense poorly graded GRAVEL with sand (GP), mps 1.125 in., no structure, no odor, wet PID = 0.0/0.2 ppm	10	60	25	5						
5	4 2 1 2	S3 6	5.0 7.0	9.0 5.0	OL-OH	-FILL- Soft dark olive ORGANIC SOIL with sand (OL-OH), mps 0.5 in., irregular color variations, trace organic fibers, no odor, wet PID = 0.0/0.0 ppm					25	75				
	4 3 3 3	S4 24	7.0 9.0		OL-OH	Similar to above except medium stiff PID = 0.0/0.1 ppm										
10	1 2 2 1	S5	9.0 11.0		OL-OH	Similar to above except soft PID = 0.0/0.0 ppm -HYDRAULIC FILL-										
	2 3 3 3	S6	11.0 13.0		OL-OH	Similar to above except medium stiff PID = 0.0/0.0 ppm										
	2 1 2 3	S7	13.0 15.0		OL-OH	Similar to above except soft PID = 0.0/0.0 ppm										
15	3 5 4 3	S8	15.0 17.0	-1.0 15.0	CL/OL-OH	Similar to above except clay/organic soil mix, irregular pockets PID = 0.0/0.0 ppm					20	80				
	4 4 5 3	S9	17.0 19.0		ML/OL-OH	Similar to above except sandy SILT/clay mix PID = 0.0/0.0 ppm -HYDRAULIC FILL-					20	80				
20	3 2 2 2	S10	19.0 21.0	-5.0 19.0	OL-OH	Soft olive-gray ORGANIC SOIL (OL-OH), mps aphanitic, no structure, organic odor, wet, trace peat fibers PID = 0.0/0.0 ppm -ORGANIC DEPOSITS-					5	95				
				-7.0 21.0		BOTTOM OF EXPLORATION 21.0 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
12/17/2010	1045	10 min	6.0	21.0	4.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 21.0
Rock Cored (ft) -
Samples S10

Boring No. V16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W12

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	14 January 2011
Finish	14 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	16.5 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 4.0 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	17 13 15 30	S1 11	0.0 2.0	16.0 0.5	GP	Gray poorly graded GRAVEL (GP)	20	75	5							
					SM	Medium dense gray-brown silty SAND with gravel (SM), mps 1.1 in., no structure, slight petrochemical-like odor, moist, 10% cinders, clinkers, ash PID = 0.8/0.0 ppm		15	20	25	20	20				
	24 14 16 11	S2 14	2.0 4.0		SM	Similar to above except moderate odor, trace sheen, 35% cinders/clinkers PID = 2.6/0.0 ppm		20	20	20	25	15				
						-FILL-										
	3 6 4 4	S3 9	4.0 6.0	11.5	SM	Loose dark gray silty SAND (SM), mps 2 mm, no structure, strong petrochemical odor with sheen, wet PID = 4.7/0.0 ppm				5	55	40				
5				5.0	CL	Medium stiff gray lean CLAY (CL), slight petrochemical-like odor, sheen, moist, 10% black organic soil, trace wood fibers PID = 0.0/0.0 ppm					5	95				
	4 3 4 3	S4 12	6.0 8.0		CL	Medium stiff olive-gray lean CLAY (CL), no odor, moist to wet, trace peat -HYDRAULIC FILL-										
				8.5 8.0		BOTTOM OF EXPLORATION 8.0 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/14/10	1330	0.1	4.0	8.0	3.4

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	8.0
Rock Cored (ft)	-
Samples	S4

Boring No. W12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W13

Project	BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client	MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor	GEOLOGIC-EARTH EXPLORATION, INC.

File No.	12486-530
Sheet No.	1 of 1
Start	3 January 2011
Finish	3 January 2011
Driller	J. Boyd
H&A Rep.	M. Dodson
Elevation	16.7 (est.)
Datum	Boston City Base
Location	See Plan

	Casing	Sampler	Barrel
Type	HW	S	-
Inside Diameter (in.)	4	1 3/8	-
Hammer Weight (lb)	300	140	-
Hammer Fall (in.)	24	30	-

Drilling Equipment and Procedures

Rig Make & Model: CME 75 ATV
Bit Type: Roller Bit
Drill Mud: None
Casing: HW Driven to 4.7 ft
Hoist/Hammer: Cat-Head/ Doughnut Hammer
PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				16.0	GP	Light gray poorly graded GRAVEL (GP)	10	85	5							
	15 32 64 77	S1 8	0.7 2.7	0.7	SP-SM	Very dense light gray to gray-brown poorly graded SAND with silt and gravel (SP-SM), mps 1.0 in., no structure, no odor, moist, occasional layer of silty SAND (SM) PID = 0.0/0.0 ppm	5	10	15	30	30	10				
				14.0		-FILL-										
	19 30 36 16	S2 4	2.7 4.7	2.7	GW-GM	Very dense dark gray-brown well-graded GRAVEL with silt and sand (GW-GM), mps 1.375 in., no structure, no odor, moist PID = 0.0/0.0 ppm	20	30	15	10	10	15				
				12.0		-FILL-										
5	7 3 3 3	S3 11	4.7 6.7	4.7	CL	Medium stiff gray lean CLAY (CL), mps 2 mm, no structure, no odor, moist PID = 0.0/0.0 ppm				5	5	90	N	L	M	
						-HYDRAULIC FILL-										
	2 2 2 2	S4 5	6.7 8.7		CL	Similar to above except soft, "sandy" PID = 0.0/0.0 ppm				10	20	70	N	L	L	
				8.0 8.7		BOTTOM OF EXPLORATION 8.7 FT Note: Grouted boring to surface upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	8.7
Rock Cored (ft)	-
Samples	S4

Boring No. W13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

HALEY & ALDRICH

TEST BORING REPORT

Boring No. W16 (OW)

Project BCEC PHASE 2 - SUPPLEMENTAL, BOSTON, MA
Client MASSACHUSETTS CONVENTION CENTER AUTHORITY
Contractor GEOLOGIC-EARTH EXPLORATION, INC.

File No. 12486-530
Sheet No. 1 of 2
Start 30 December 2010
Finish 3 January 2011
Driller J. Boyd
H&A Rep. M. Dodson
Elevation 17.1
Datum Boston City Base
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HW	S	-	Rig Make & Model: CME 75 ATV
Inside Diameter (in.)	4	1 3/8	-	Bit Type: Roller Bit Drill Mud: None
Hammer Weight (lb)	300	140	-	Casing: HW Driven
Hammer Fall (in.)	24	30	-	Hoist/Hammer: Cat-Head/ Doughnut Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	7 30 100/0"	S1 10	0.0 1.0	16.6 0.5	GP	S1, top 6 in..: Medium dense gray-brown poorly graded GRAVEL (GP)										
					SM	S1, bottom 6 in.: Very dense gray-brown silty SAND with gravel (SM), mps 1.0 in., no structure, no odor, moist	5	15	15	20	30	15				
	17 15 18 23	S2 16	1.0 3.0	15.3 1.8	SW	PID = 0.0/0.0 ppm	25	35	20	10	5	5				
					SM/ML	S2, top 10 in.: Medium dense gray well-graded GRAVEL with SAND (SW), mps 2.0 in., no structure, no odor, moist PID = 0.0/0.0 ppm										
				14.1 3.0		-FILL-		15	10	10	25	40				
	12 5 6 5	S3 5	3.0 5.0			S2, bottom 14 in.: Dark gray-brown silty SAND/sandy SILT with gravel (SM/ML), mps 1.0 in., no structure, no odor, moist, trace brick/wood PID = 0.0/0.0 ppm										
5	6 4 3 2	S4 5	5.0 7.0		ML/CL	S3: Stiff gray-brown to dark gray-brown sandy SILT/lean CLAY (ML/CL), mps 3 mm, no structure, no odor, moist, fines slightly elastic PID = 0.0/0.0 ppm			5		45	50	N S	L N	L L	
					CL	Medium stiff gray lean CLAY (CL), mps 0.5 in., no structure, no odor, moist, frequent zones of dark gray-brown lean CLAY, fines slightly organic, trace shell speck PID = 0.0/0.0 ppm		5			5	90	N	L	L	
	3 2 1 2	S5 15	7.0 9.0		CL/OL-OH	Similar to above except soft, with sand PID = 0.0/0.0 ppm			5		10	85	N	L	L	
10	1 1 3 2	S6 24	9.0 11.0		CL	Similar to above except mps 6.0 in., trace peat fibers, wet PID = 0.0/0.0 ppm		5		5	10	80	N	L	L	
						-HYDRAULIC FILL-										
	1 1 2 1	S7 17	11.0 13.0		CL	Soft gray to gray-brown lean CLAY (CL), mps 0.3 in., no structure, slight industrial/petroleum-like odor, wet, trace shell specks and fragments, fines slightly organic PID = 0.0/0.0 ppm			5		5	90	N	L	L	
15	1 2 2 1	S8 24	13.0 15.0		CL	Soft gray to dark gray-brown lean CLAY with sand (CL), trace shell specks and peat fibers, fines slightly to moderately organic PID = 0.0/0.0 ppm		5			10	85	N	L	M	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
1/3/2011	1000	0.25		15.0	

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 19.0
Rock Cored (ft) -
Samples S10

Boring No. W16 (OW)

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

†Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

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TEST BORING REPORT

Boring No. W16 (OW)
File No. 12486-530
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
15	1 4 4 3	S9 24	15.0 17.0			CL	Similar to above except medium stiff, frequent fine to medium sand layers PID = 0.0/0.0 ppm				10	10	80	N	L	M	
	2 1 2 2	S10 17	17.0 19.0			CL	Soft light gray lean CLAY (CL), mps < 1 mm, no structure, no odor, moist PID = 0.0/0.0 ppm -HYDRAULIC FILL-					5	95	N	L	M	
					-1.9 19.0		BOTTOM OF EXPLORATION 19.0 FT Note: Observation well installed in completed borehole. See observation well installation report for details.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HA-LIB07-1-BOS.GLB HA-TB+CORE+WELL-07-1.GDT G:\12486\500 PHASE II PCBS\530 - SUPPLEMENTAL DRILLING\FIELD DATA\12486-530_TB REPORTS.GPJ 27 May 11

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GEOPROBE REPORT

BORING NO. A5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / ~~[illegible]~~ A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/6/15
DRILLER	D. Jacobs	DATE FINISHED	2/6/15

Elevation 17.9 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: GG70 GZ

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dust pan		0.0		0.3		TSCA Cap											0-4 ND
		G1 R=2.5'					Tan to dark brown silty SAND (SM) trace gravel, mps 0.4, no structure, no odor, moist. Note: concrete debris at 1.9'											
2					2.4													
							Black to dark brown silty SAND (SM), mps 0.3, no structure, no odor, trace coal, 20% pockets of ash and cinders											
4	Dust pan		4.0															4-8 ND
		G2 R=1.8'	4.0				— FILL —											
6																		
8			8.0															
							Bor @ 8.0'											
10																		

VOC 3.0

VOC 7.4

10.6 ev

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (Linear ft.) 8.0
- Rock Cored (Linear ft.) —
- Number of Samples 62

BORING NO. A5

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. A6

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ D MP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/6/15
DRILLER	D. Jones	DATE FINISHED	2/6/15

Elevation 17.9 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6"	
Inside Diameter (in.)		2 3/16	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Dut push		0.0				0.0 - 1.7' Bituminous Concrete - Probable TSCA CAP -										
		G1															
		R36			-1.7	—											
2							1.7 - 8.0' gray to dark gray silty SAND w/ gravel (fill) approx 20% scattered pockets of ash, cinder, slag, brick w/depth up to 8" thick NO odor moist, 80-90% ash cinders slag, glass, brick, wood, in fragments pockets and spots, black oily zone @ 7-8' - ASH FILL -										
					Vol @3.5												
4	Dut push		4.0														
		G2															
6		R32			Vol @6.0												
8			8.0														
							BIEC 8.0										
10																	

10.6 ev PID

0-4 ND

4.8

ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. A6

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. A7

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / DNP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/6/15
DRILLER	R. Jacob	DATE FINISHED	2/6/15

Elevation	8.1 ft.	Datum	Boring Location	SEE PLAN	
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)		2 5/8		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth 6D
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust pan	G1 R=48"	0		0		Asphalt/TSCA Cap											0-4
					0.6		Grey to olive brown, Silty SAND (SM), mps 0.3, no structure, no odor, moist, trace brick											ND
2																		
							-FILL-											
4	Dust pan		4															4-8
		G2 R=29"																ND
6					6.5		BLACK, Silty SAND (SM), mps 0.2", no structure, no odor, moist, 70-80% ash and cinders											
							ASH FILL											
8			8															
10							BEC 8.1											

10.6w pID

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	8.1
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	A7

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. A8

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ PMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/6/15
DRILLER	D. Sacks	DATE FINISHED	2/6/15

Elevation	18.2 ft.	Datum		Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT	Hammer Type	Drilling Mud
Type		GS		☐ Truck ☐ Tripod ☐ Cat-Head		☐ Safety	☐ Bentonite
Inside Diameter (in.)		2 1/4		☐ ATV ☒ Geoprobe ☐ Winch		☐ Doughnut	☐ Polymer
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit		☒ Automatic	☒ None
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head		Drilling Notes:	

Casing Advance: Type Method Depth — 6P

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust pen	G1 R-48	0.0	VOC @ 4.0		SM	0.0-0.6' Bituminous Concrete - Probable TSCA Cap -											(0.6 ✓ PID
							0.6-8.2' Gray to dark gray banded with rust spots silty SAND w/ gravel (SM) mps= 2", occasional pockets of ash up to 4" thick No odors											0-4
2																		ND
4	Dust pen	G2 R-48	4.0	VOC @ 8.0			30-40% Ash, cinder, slag, coal, wood brick in fragments particle sand spots - FILL -											4-8
6																		ND
8			8.2				Bro @ 8.2'											
10																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	8.2
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	A8

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. A9

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/4/15
DRILLER	D. Jacob	DATE FINISHED	2/6/15

Elevation 18.3 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: GEOPROBE

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Dual pus	G1 R28	0.0		0 / 0.7		TSCA Cap											D-L
							Grey to grey tan, silty SAND (SM), mps 0.3", no structure, no odor, moist,											ND
2							— FILL —											
					3.0													
4	Dual pus	G2 R34	4.0 / 4.0				Black silty SAND (SM), mps 0.5", no structure, no odor, moist, trace brick, trace wood, trace coal, 65 to 75% ash and cinders											4-8 ND
6							— ASH FILL —											
8			8.3															
							BOE 8.3'											

R-1 VOC 5.0 VOC 7.0

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.3; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. A9

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. A10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/6/15
DRILLER	D. Jacks	DATE FINISHED	2/6/15

Elevation 8.3 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6"	
Inside Diameter (in.)		2.5"	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust		0.0				0.0 – 0.4' Bituminous Concrete – Portion TSCA CAP –											10.6 ppm PID 0-4
		G1 R-34"				SM	0.4 – 4.0 Gry wet rich spots Silty SAND w/gravel (sm) mpx 2", no stain no odor mostly 20% Ash, brick, cinder, coal in fragment particles and spaces – FILL											ND
2																		
4	Dust pen		4.0		4.0													4-8
		G2 R-41"	4.0		Von @ 7.0'	SM	4.0 – 8.3' Dark gry to black Silty SAND w/ gravel (sm) mpx 2.0' decreasing light brown band of fine sand up to 4" thick no odor mostly 80% Ash cinder slag, wood, brick in fragment particle and spaces – ASH FILL											ND
6																		
8			8.3															
							BOE @ 8.3											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.3; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. A10

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/11
DRILLER	D. Jacobs	DATE FINISHED	2/5/11

Elevation	17.8 ft.	Datum		Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Geo70 DP		
Type		G		☐ Truck ☐ Tripod	☐ Cat-Head	Hammer Type: ☐ Safety	Drilling Mud: ☐ Bentonite
Inside Diameter (in.)		2 5/8		☐ ATV ☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer
Hammer Weight (lb.)		–		☐ Track ☐ Air Track	☐ Roller Bit	☒ Automatic	☒ None
Hammer Fall (in.)		–		☐ Skid ☐	☒ Cutting Head	Drilling Notes:	

Casing Advance: Type Method Depth: GP

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dust pen		0.0				0.0–0.9' Black Bitumen Cement - Portable TSCA Cap											PID 0–4
		61			0.9													ND
2		R=30		VR @3.0		SM	0.9 — 8.0' Black-gray and red speckled Silty Sand w/gravel (SM) MPS = 2.0" M structure no odor, moist pockets of ash, cinder, slag, concrete, rubble, wires in fragments pockets and spots											
			4.0															
4	Dust pen	62																4–8 ND
		R=29																
6				VR @7.0														
8			8.0				BOE @ 8.0'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	8.0
Rock Cored (Linear ft.)	
Number of Samples	62
BORING NO.	B5

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B6

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/12
DRILLER	D. Jacobs	DATE FINISHED	2/5/12

Elevation	18.1 ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Geoprobe 5410
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)		2 3/4		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth: GP
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Dust pen	G1 R-32	0.0		1.1		0.0-1.1' Bituminous Concrete pavement - Probable TSCA Cap -										
2							1.1-8.1 Dark gry w/ brn barks silty SAND w/ gravel (fill) mpr. OH. 15-20% ashy cinder slag in fragment pieces and spm - Fill -										
4	Dust pen	G2 R-41	4.0	Voc @3.1													
6																	
8			8.1				Bvc @ 8.1										

10.6 ea PID 0-4' N/D 4-8.1 3.3

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	8.1
Rock Cored (Linear ft.)	
Number of Samples	6 2
BORING NO.	B6

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B7a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/15
DRILLER	D. Jacobs	DATE FINISHED	2/5/15

Elevation 18.2 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Gravel Coarse	% Gravel Fine	% Sand Coarse	% Sand Medium	% Sand Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	Dust pun	61 R-46	0.0				0.0 - 1.1' Black Bituminous Concrete Pavement - Probable TSCA Cap											18.6e PID
2							1.1 - 6.7' Dark gray to black SILTY SAND w/gravel (sm) mpr- 1.5", frequent layers of ash, brick, coal, wires, wood, plastic in fragments particles and spheres. no sh, most FILL											0-4 ND
4	Dust pun	62 R-32"	4.0 4.0	Vole 4.0														4-6: 2.2
6	6.7		6.7				BTEC 6.7											
8																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 6.7; Rock Cored (Linear ft.) —; Number of Samples 62; BORING NO. B7a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B9

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ BMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/18
DRILLER	D. Jones	DATE FINISHED	2/5/18

Elevation 18.6 ft. Datum Plan Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2.5/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dirt push		0.0				0.0-1.4 Bituminous Concrete										
		G1 R=48			-1.4		1.4 — 6.9' Dark and light gry banded silty sand w/ gravel (ms) mpr 2.0' layers of ash, slag, cinders and brickbats to 7ft in fragments particles and specks - ASH FILL										
2																	
4	Dirt push		4.0														
		G2	4.0														
6		R=48			-6.9		Tan silty sand (sm) mpr=0.2' vrgularly banded no odr, moist -FILL-										
8			8.6			SM											
							BREC 8.6'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	8.6
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	B9

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/12
DRILLER	D. Jones	DATE FINISHED	2/5/12

Elevation 18.6 ft.	Datum	Boring Location SEE PLAN			
Item	Casing	Sampler	Core Barrel	Rig Make & Model 6620 DT	
Type		6"		☐ Truck ☐ Tripod ☐ Cat-Head	
Inside Diameter (in.)		2 5/8		☐ ATV ☒ Geoprobe ☐ Winch	
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	GP
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust pan		0.0														
					-0.9		0.0 - 0.9' Bituminous concrete Probable TSCA cap										
		61 R44"					0.9 - 4.5 gray to light gray Silty Sand w/gravel (SM) mpr 1.5", no odor no oil stain, lots black in fragments particle and specs -PM										
2																	
4	Dust pan		4.0		-4.5												
		62 R43"	4.0	Vox @5		SM	4.5 - 8.6' Dark gray, light gray and tan banded Silty Sand w/ gravel (SM) mpr 0.9", fragments pieces of ash, cinder & clay brick, tan wires in fragments particle and specs -FM										
6																	
8			8.6														
							BOEC 8.6'										

10.6cu PM

0-4 ND

4-8.6' ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	8.6
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	B10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ DMS
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/11
DRILLER	D. Travis	DATE FINISHED	2/5/11

Elevation 18.5 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust push	61	0.0				0.0-0.9' Bituminous Concrete pavement TSCA Cap											10.6 ppm
		R-88				SM	0.9 — 4.5 gray white and red speckled silty SAND w/ gravel (SM) mps=2" no staining noted, most 10% brick in fragments particles and specks — FILL —											0-4' ND
2																		
4	Dust push		4.0		-4.5													4-8'
		62	4.0	VW @ 6.0		SM	4.5 - 8.5' black, gray, red, and tan banded silty SAND w/ gravel (SM) mps=1.5" occasional pockets of ash, slag, concrete in fragment particles and specs — FILL —											ND
6		R-48																
8																		
	-8.5		8.5															
							BOEC 8.5'											
10																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.5; Rock Cored (Linear ft.) —; Number of Samples 62; BORING NO. B11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. B16a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAW~~ DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/5/15
DRILLER	D. Jacobs	DATE FINISHED	2/5/15

Elevation 17.5 ft. Datum PCM Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	–
Inside Diameter (in.)		2 5/16	–
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model 6620

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust pen	61 R-39"	0.0	Vol 3.0'		SW	0.4' Bituminous Concrete pen 0.4-0.7' Probable TOBLAWOOD 0.7-4.0' Gray brn black banded Silty Sand w/gravel (SM) MPS 3"; No Stain no odor most particles of Ash brick, cinders in fragment particles and fines – FILL –											10 ppm 0-4 ND
2																		
4	Dust pen	62 R-31"	4.0				4-13.0' Black, gray and white with high yellow brn band at 9.0', Silty Sand w/gravel (SM) MPS 2"; No Stain no odor at 12.0' 10% Ash cinder slag, brick, in fragment particle, coal specks. – Ash FILL											4-8' ND
6																		
8	Dust pen	63 R-37"	8.0															8-12' ND
10																		
12	Dust pen	64 R-29	12.0		13.0	CL	13-14' Dark gray to gray lean clay (CL) MPS 0.0", No Stain no odor most – refusal FILL											12-14 ND
14			14.0															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	14.0'
Rock Cored (Linear ft.)	–
Number of Samples	64
BORING NO.	B16a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/29/15
DRILLER	O. Jacobs	DATE FINISHED	1/29/15

Elevation	18.0 ft.	Datum		Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	1620 DT	Hammer Type	Drilling Mud
Type		6"		☐ Truck ☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite
Inside Diameter (in.)		2 5/8		☐ ATV ☑ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer
Hammer Weight (lb.)		—		☐ Track ☐ Air Track	☐ Roller Bit	☒ Automatic	☒ None
Hammer Fall (in.)		—		☐ Skid ☐	☐ Cutting Head	Drilling Notes:	

Casing Advance	
Type	Method
GP	

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.2		Geotextile w/ gravel at 0-0.2										
			1 to 2	1 to 6	1.0		0.2 light tan to brown. SP to 1.0										
2	G1 33"						1-3 Gravelly asphalt possible TSCA cap.										
							1.3-4 brown to dark brown silty SAND										
4				VOC	4.0												
	G2 31"						4- Dark olive gray to black silty SAND with gravel 10% brick.										
6				6 to 8													
8							7.5-8 Light tan brown sandy GRAVEL										
							BOTTOM OF EXPLORATION AT 8.0'										

Port 0-4

VOC AT 4'

Port 4-8

VOC 6.5'

10.6 PPM

0.2 ppm

0.9 PPM

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	8.0
Rock Cored (Linear ft.)	
Number of Samples	62
BORING NO.	C5

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C6a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/29/15
DRILLER	D. Jacobs	DATE FINISHED	1/29/15

Elevation	15.7 ft.	Datum		Boring Location	SEE PLAN				
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Geoprobe 6620 DT	Hammer Type	Drilling Mud	Casing Advance	
Type		6		☐ Truck ☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth	
Inside Diameter (in.)		2 5/8		☐ ATV ☑ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer	GP	
Hammer Weight (lb.)		—		☐ Track ☐ Air Track	☐ Roller Bit	☑ Automatic	☑ None		
Hammer Fall (in.)		—		☐ Skid ☐	☑ Cutting Head	Drilling Notes:			

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0							0-0.7 Gravelly landscaping material										
							0.7-1.0 Probable TSCA cap										
Push 0-4	G1	38"	1 to 2.5	1- to			1.0 to 5. Brown to dark brown SP w/ gravel trace wire, trace wood fiber										
2			2.5 to 4.5	6.5'													
VOC 3.5'																	
4																	
Push 4-8.5	G2	40"					5-8.5 Dark gray SP w/ gravel up to 30% cinders, trace 15% fines. bottom 2'										
6				6.5'			recurrional yellow brown sand layers up to 3" thick. ~~plus ash~~										
8				8.5'													
							BOTTOM OF EXPLORATION AT 8.5'										

10.6W PID

3' 0.2 ppm

8' 0.5 ppm

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	8.5
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	C6a

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C7a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/29/15
DRILLER	Pamela Jacobs	DATE FINISHED	1/29/15

Elevation 20.9 ft.	Datum	Boring Location SEE PLAN			
Item	Casing	Sampler	Core Barrel	Rig Make & Model 6620DT	
Type		5ft Tube		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)				☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth 6P
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Dwr pen	0	0.0			SM	0.0 – 4.0' Gry dark to gry brn silty SAND w/ gravel (SM) mps= 0.9" occasional layers and pockets of ash up to 3" thick no odor, moist - FILL -	5	15	10	15	35	20				
2		G1 R=20"															
4	Dwr pen	G2 R=36"	4.0	Voc @5.0'	-4.0 -4.3	SM	Probable TSCA CAP - Cap at 4.0-4.3 4.3- Gry to light brown and red spotted silty SAND w/gravel (SM) mps= 2.0" fragments particles of brick, ash, black coloring, fragments particles and specks - FILL -	10	10	15	15	20	30				
6			7.0				note 4x refusal at 7.0' on concrete BOEC 7.0'										
8																	
10																	

10.6cu PM

0-4 0.0

4-8' 1.0

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	7.0
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	C7a

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C9

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/30/2015
DRILLER	P. Jacobs	DATE FINISHED	

Elevation 21.3 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 662000

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — Geo

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0-1 landscaping fine gravel layer										
							1-4 olive gray to brown and dark brown silty SAND w/ gravel 10% brick, 10% ash/cinders										
2																	
4							Possible thin TSCA asphalt cap 4-4.3										
	VOC 50'	5.3		4.3 to 9.3			4.3-5.0 gray wet SP w/ fine gravel										
6		7.3 HOLD															
		7.3					5-9.5 Dark brown to black silty SAND w/ gravel and up to 30% ash/cinders trace metal (copper/green)										
8		9.3 HOLD															
10							9.5-10.5 gray sandy silt fill										
							10.5-12 olive brown silty SAND as placed layer										
12							Bottom of EXPLORATION at 12.0										

Push 0-4

Push 4-8

Push 8-12

0.9 ppm at 2.0

1.3 ppm at 7

10.6 w PID

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.); Number of Samples 63

BORING NO. C9

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/30/15
DRILLER	D. Jacobs	DATE FINISHED	

Elevation 21.3 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel	Rig Make & Model				Hammer Type	Drilling Mud	Casing Advance
Type		6		☐ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite	Type Method Depth
Inside Diameter (in.)		2 1/2		☐ ATV	☒ Geoprobe	☐ Winch		☐ Doughnut	☐ Polymer	GP
Hammer Weight (lb.)		—		☐ Track	☐ Air Track	☐ Roller Bit		☒ Automatic	☒ None	
Hammer Fall (in.)		—		☐ Skid	☐	☒ Cutting Head		Drilling Notes:		

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PID Sample Depth (ft.)	CE Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0				None			0-1 landscaping fine gravel large										
							1-4 Dark brown to black										
2																	
4							3.7-4.3 TSCA cap/asphalt										
			4.3														
			5.3				4.0-6 Gray/white/brick red bottom speckled. ashy fill w/ cinders										
6			5.3														
			7.3														
			7.3														
8							6-10 Dark gray brown silty SAND with gravel disturbed,										
			7.3														
			9.3														
10																	
			9.3				10-12 olive brown silty fine SAND/placed										
			11.3														
12			HOLD				Bottom of Bx at 12										

10.6ppm PID

1040

2.1 ppm

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram
O	Open End Rod	Riser Pipe
T	Thin Wall Tube	Screen
U	Undisturbed Sample	Filter Sand
S	Split Spoon Sample	Cuttings
G	Geoprobe	Grout
		Concrete
		Bentonite Seal

Summary	
Overburden (Linear ft.)	12.0'
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	C10

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C17a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/30/14
DRILLER	D. Jacobs	DATE FINISHED	

Elevation 20.7 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☐ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	KS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0			none				0-1 fine gravel landscaping layer										
							1-4.4 olive brown to black clayey SAND w/ 1/2 gravel. 10% brick. 10% cinders with gravel layer at 3-3.5'										
2																	
4							4.4 to 4.9 TSCA asphalt cap.										
6				4.9 to 8.7			4.9 to 8 gray grading to brown silty fine SAND										
		0-8'													0.1 ppm at 7.5'		
8							— fill —										
							8-9 Dark brown silty sand										

Part 0-4

Part 4-8

Part 8-9

10.6 ppm PID

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.0; Rock Cored (Linear ft.) –; Number of Samples 63

BORING NO. C17a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C21a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/30/15
DRILLER	D. Taylor	DATE FINISHED	

Elevation 20.2 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 GP

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (FS)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0-1 fine gravel landscaping										
							1-3.0 brown sp w/ gravel										
2	G1 40"						3-4 Disturbed dark olive gray ORGANIC SOIL										
4			4.4 to 6.2	4.4 to 8.2			4-4.4 possible TSCA cap (concrete?)										
6	G2 45"	VOC 7.0	6.2 to HOLD 8.2				Dark brown to black with gray and dark gray silty SAND with up to 40% cinders									0.3 ppm	
8							8.2 Bottom of EXPLORATION										

Push 0-4

Push 4-8.2

(extra 0.2')

10,000 PID

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	8.2
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	C21a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C22

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/30/15
DRILLER	D. Jacobs	DATE FINISHED	

Elevation 20.2 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		C	
Inside Diameter (in.)		2 1/4	
Hammer Weight (lb.)		C	
Hammer Fall (in.)			

Rig Make & Model: CME 70 B7

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.) (PID)	Well Diagram (FS)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0							0-1 fine gravel landscape layer											10.6 PID
							1-2 shattered brick layer											
2	6 11 11						2-4 Dark olive brown clayey sand layer											0-4 0.1
	32"																	
4							TSCA asphalt cap 4-4.4											
	6 7		4.4 to 6.2	4.4 to 6.2			4.4-6 gray SP w/ gravel (wet)											4-8
6	38"		6.2 (6.2 6.2 HOLD)				6-7 Dark brown silty sand with wood (15%), trace steel trace cinders											0.7
8			8.2 (10.2 HOLD)				7-8 ash with sand											8-12
	6 3						8-12 gray speckled ash/cinders with sand (80% total) coal fragments possible mica											0.2
10	44"																	
12							BOTTOM OF EXPLORATION 12.0'											

Park 0-4

4-8

8-12

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12 wD; Rock Cored (Linear ft.); Number of Samples 63; BORING NO. C22

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D9a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. [illegible]
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacobs	DATE FINISHED	2/13/15

Elevation 209 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 1/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☒ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☒ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=36"	0		0.0 / 0.3		ASPHALT										
2						SM	grey to olive-brown, silty sand (SM), trace gravel, MPS 0.5 in., NO STRUCTURE, NO odor, MOIST, trace slag, wood, brick, cinders										
4	Direct Push	G2 R=30"	4				-FILL-										
6					6.1 / 7.0		TSCA CAP 6.1 - 7.0+										
			8				B.O.E. 7.0 Refusal @ 7.0' after 3 attempts No Samples Collected										
10																	
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (Linear ft.)	7.0
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	D9a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D9a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. GHAT~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/27/15
DRILLER	Glen Peterson	DATE FINISHED	2/27/15

Elevation ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	P	S	—
Inside Diameter (in.)	5	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: [X] Truck [ ] ATV [ ] Track [ ] Skid [ ] Tripod [ ] Geoprobe [ ] Air Track [ ] Cat-Head [X] Winch [X] Roller Bit [ ] Cutting Head

Hammer Type: [ ] Safety [ ] Doughnut [X] Automatic

Drilling Mud: [ ] Bentonite [ ] Polymer [X] None

Casing Advance: Type Method Depth — PW Driven 7.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
6	100/4"	S1 3	6 6.4				very dense black silty SAND with gravel (SM), mps 0.4", no structure, no odor, moist, trace copper wire, glass and wood											PID
7	35 29 28 28	52 15	7 9			SP-SM	very dense, Dark olive brown to black, poorly graded SAND with silt (SP-SM) trace gravel, mps 0.4", no structure, no odor, moist, trace glass, copper wire, wood and steel bolts/nails/screws											7-9 ND
8							FILL											
9							BOE 9.0'											

VOCs at 8.0

NOTE: Refusal at 6.4' on potential TSCA cap

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.0; Rock Cored (Linear ft.); Number of Samples 52

BORING NO. D9a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	D. Tuttle	DATE FINISHED	2/11/15

Elevation 21.1 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth 6⅝

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Direct push	G1 R=30"	0.0			SM	0.0-0.3' Bituminous Concr 0.3-4.0- Gry, brn and Dark gry to gray SAND (SM) mps= 1.2" No Structr no odor, most 10-20% brick - Fill in ash in fragment particles and spots - Fill										
2																	
4	Direct push	G2 R=45	4.0		4.0-4.8		Portland TSCA CAP 4.0-4.8' 4.8-9.5' brown wood red and gray spots Silty SAND w/ gravel (SM) mps= 2.0" No Structr or odor, most 10-20% brick, concrete, gravel trace ash in fragment particles and spots - Fill										
6						SM											
8	Direct push	G3 R=33"	8.0	VOL @8.0'	9.5		9.5-12.0' Black Silty SAND (SM) mps= 0.5" No Structr no odor, most 80-90% Ash cinder in particle and spots - ASH Fill - BOE @12.0'										
10						SM											
12			12.0														

10.0-12.0 P10
0-4' ND
4-8' ND
8-12' ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. D10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / PMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	D. Jacobs	DATE FINISHED	2/11/15

Elevation 21.1 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6P	
Inside Diameter (in.)		8.5/11	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dual Push		0.0				0.0 – 0.3' Bituminous Concrete										
		G1 R-40"				SM	0.3 – 7.1' Dark olive gray Silty SAND w/ gravel (SM) mpl=2" pockets of Clayey SAND, NO odor, moist, trace wood, brick in fragments – FILL										
2																	
4	Dual Push	G2 R-34"	4.0														
6																	
			7.1		7.1		Bituminous Concrete										
					7.5		Probable TSCA CAP										
8							BOEC 7.5' refusal below Cap										
							No Samples Collected										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	7.5
Rock Cored (Linear ft.)	–
Number of Samples	62

BORING NO. D11

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/25/15
DRILLER	G. PETTENGILL	DATE FINISHED	2/25/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	PW	S	
Inside Diameter (in.)	5	3	
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: CME 75

☒ Truck ☐ Tripod ☒ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☒ Roller Bit
☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: PW-Dri-9.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength
0																	
4																	
					6.5		PROBABLE TSCA CAP										
					7.1												
7.1	39	S1	7.1			SM	S1: Very dense gry SILTY SAND w/ gravel (SM) mps= 2.0" no structn no odor moist trace copper wire, concrete, glass wood, in frgmnt particles and spec -PLL										
	92	R=18"															
	119																
9.1	38		9.1														
	16	S2	9.1			SM	S2: Medium dens, gry to dark gry SILTY SAND (SM) mps= 1.5" no structn no od, moist -PLL										
	11	R=11"															
	14																
11.1	21		11.1				BOEC 11.1										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (Linear ft.) 11.1
Rock Cored (Linear ft.) —
Number of Samples 52
BORING NO. D11

Field Tests
Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D13a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	D. Jacob	DATE FINISHED	2/11/15

Elevation 21.1 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: GMC DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	Direct push	61 R-48	0.0			SM	0.0 – 0.4' Bituminous Concrete 0.4 – 6.0' OLIVE Brown to Olive gray Silty SAND w/ gravel (SM) MPS 2.0" Pockets of Clayey SAND 15% Brick, Concrete, Coal, ash, granite in fragments, particles and specks – FILL											0-4' ND
2																		
4	Direct push	62 R-46	4.0		6.0 6.4		Bituminous Concrete PROBABLE TSCA CAP											4-8' 0.7
6						SM	6.4 – 12.0 Brown to light brown with red patches Silty SAND w/ gravel (SM) MPS 2.0", No Staining no odor, most 10-20% brick, wood, mortar in fragments particles and specks – FILL											
8	Direct push	63 R-48	8.0	VTS @ 9.5														8-12' 0.3
10																		
12			12.0															

10.6W PID

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. D13a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D19a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. GRAY~~ A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/10/15
DRILLER		DATE FINISHED	2/10/15

Elevation 20.8 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: GeoPro DT

☐ Truck ☐ Tripod ☒ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct Push	G1 R=	0		0 0.2		ASPHALT Grey to olive grey, Silty SAND (SM), mps 0.4", no structure, no odor, moist, trace gravel, trace brick, 10% pockets of cohesive fill											0-4 ND
2							(new) — FILL —											
4	Direct Push	G2 R=	4		4.3 4.8		TSCA cap Grey to black, Silty SAND with gravel (SM), mps 0.5", no structure, no odor, moist, trace brick, trace coal, trace wood, 20-30% ash and cinders											4-8 0.2
6																		
8	Direct Push	G3 R=	8				(old) — FILL —											8-11 ND
10																		
			11				BOE 11.0											
12																		

VOCs at 7.5'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	
Number of Samples	G3
BORING NO.	D19a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D21a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/10/15
DRILLER	Damien Jacobs	DATE FINISHED	2/10/15

Elevation 20.6 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 1/6	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: Geoprobe

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct Push	G1 R=47	0		0 / 0.3	SM	ASPHALT Grex to black, silty SAND trace gravel (SM), mps 0.4", no structure, no odor, moist, trace brick											0-4 ND
2							(New) FILL											
4	Direct Push	G2 R=31	4		5.0 / 5.3		TSCA Cap											4-8 ND
6							Black, silty SAND (SM), mps 0.2", no structure, no odor, moist trace wood, 55-65% ash and cinders, trace coal, trace slag, trace wood, trace ceramic											
8	Direct Push	G3 R=19	8				(old) FILL											8-11 ND
10																		
11							BOE 11.0											
12																		

VOCs at 8.0

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 11.0; Rock Cored (Linear ft.); Number of Samples 63

BORING NO. D21a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D22

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/10/15
DRILLER	Damien Jacobs	DATE FINISHED	2/10/15

Elevation 20.4 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2.5/4.6	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model 1662 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct Push	G1 R=46	0		0 / 0.2		Asphalt											0-4
						SM	Grey to black, silty SAND (SM), trace gravel, no structure, no odor, moist, trace brick, trace wood, trace pockets of cohesive fill, 20% ash and cinders											ND
2																		
			4															
4	Direct Push	G2 R=35	4				FILL											4-8
6																		ND
			8															
8							BOE 8.0											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples G2; BORING NO. D22

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E9

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	D. Jacobs	DATE FINISHED	2/11/15

Elevation 21.3 ft. Datum | Boring Location SEE PLAN | Rig Make & Model 6620 DT

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct push	61 R=30	0.0		0 / 0.2		Asphalt											0-4
							Grey to black, silty SAND (SM) trace gravel, mps 0.3", no structure, no odor, moist, trace brick, trace ash and cinders											0.2
2																		
VOCs at 5.0							(new) FILL											4-8
4	Direct push		4.0		4.5													1.1
		62 R=32			4.8		TSCA Cap											
6							Black to olive brown, silty SAND (SM), mps 0.3", no structure, no odor, moist, trace granite, 15% ash and cinders											
VOCs at 10.0																		8-12
8	Direct push	63 R=47	8.0		9.0													0.7
10					10.3		Tan to orange brown, poorly graded SAND (SP), mps 0.1", no structure, no odor, moist											
							Black to olive brown, silty SAND (SM), mps 0.3", no structure, no odor, moist, trace shells											
12			10															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. E9

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	Damien Jacobs	DATE FINISHED	2/11/15

Elevation 21.2 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: GeoPro 80

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Direct Push	G1 R=28	0		0 / 0.2		ASPHALT											PID 0-4
						SM	Black to dark grey, silty SAND (SM) trace gravel, mps 0.4", no structure, no odor, moist, trace brick, 10% pockets of cohesive fill, trace ash and cinders											ND
2																		
VOCs at 7.5																		
4	Direct Push	G2 R=29	4				(New) FILL											4-8 ND
6					5.8 / 6.3		TSCA Cap											
						SM	Grey to dark olive brown, silty SAND (SM), mps 0.3", no structure, no odor, moist, 10-15% ash and cinders, trace glass											
8	Direct Push	G3 R=32	8															8-12 ND
10					10.0													
						SP	Tan to yellow brown, poorly graded SAND (SP), mps 0.1", no structure, no odor, moist, 1" pocket of granite, 1" pocket of cohesive fill from 11.9-12.0										
12			12				BOE 12.0											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.); Number of Samples 63

BORING NO. E10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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First 2 tries got refusal moved 2' SE

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GEOPROBE REPORT

BORING NO. E11

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~SCHAT~~ DM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	D. Jacobs	DATE FINISHED	2/11/15

Elevation 21.5 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dual push	G1 R=43	0.0		0 / 0.3		ASPHALT										
							Black to dark grey, silty SAND (SM) trace gravel, mps 0.5", no structure, no odor, moist, trace brick, trace concrete, 15% ash and cinders										
2																	
4	Dual push	G2 R=45	4.0														
6																	
					7.2		TSCA Cap 7.2-7.5'										
					7.5		Refusal at 7.5'										
8	Dual push	G3 R	8.0				3 attempts on getting past 7.5' with no success first attempt at boring original location, 2nd 3' SE of original location, 3rd 6' NE of original location										
							No Environmental samples collected										
12			12.0														

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) ~~12.0~~ 7.5'; Rock Cored (Linear ft.) –; Number of Samples ~~13~~ G2

BORING NO. E11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / Dmp
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/25/15
DRILLER	G. PETERSON	DATE FINISHED	2/25/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: CME 75

- [x] Truck
- [ ] ATV
- [ ] Track
- [ ] Skid
- [ ] Tripod
- [ ] Geoprobe
- [ ] Air Track
- [ ]
- [x] Cat-Head
- [ ] Winch
- [x] Roller Bit
- [ ] Cutting Head

Hammer Type: [ ] Safety [ ] Doughnut [x] Automatic

Drilling Mud: [ ] Bentonite [ ] Polymer [x] None

Casing Advance: Type Method Depth HW - 9.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0																		
4																		
	100/4"	NR	7.0 → 7.3'		7.2		7.2 - 8.5 TSCA CAP											10.6 cu PID
8.0	100/5"	S1 R=4"	8.0 - 8.5	Vor @8.5	8.0	SW	S1: Very dry, black silty SAND w/ gravel (SW) mps: 0.8", mps: 0.9" No staining no odor, moist, trace brass plate, early slag, copper wire - Fill Obstruction 8.5 - 10.0'											8 - 8.5' ND
10	12	S2	10.0				S2: Very dry dark grey silty SAND w/ gravel (SW) mps: 1.5" bands of sandy silt up to 3" thick, trace wood, no odor, moist - Fill											10.0 - 12 1.3
	19																	
	47	R=12"																
12	35		12.0															
							BOCB 12.0											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.)	12.0'
Rock Cored (Linear ft.)	
Number of Samples	52

BORING NO. E11

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	D. Jacks	DATE FINISHED	2/11/15

Elevation 21.6 ft. Datum

Boring Location SEE PLAN 6624.05

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☒ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Direct push	G1 R-32	0.0		0 / 0.2	SM	ASPHALT. Black to dark grey, silty SAND (SM) trace gravel, mps 0.5", no structure, no odor, moist trace brick, trace granite, trace ash and cinders										
2																	
4	Direct push	G2 R-41	4.0 / 4.0				(new) FILL										
6					6.6 / 7.2		TSCA cap										
8	Direct push	G3 R-44	8.0 / 8.0			SM	Black to dark olive brown, silty SAND (SM), mps 0.3", no structure, no odor, moist, trace brick, 10–15% ash and cinders, trace granite										
10																	
12			12.0														

PID 0-4 ND

4-8 ND

8-12 1.1

VOCs at 8.5'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. E12

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E14a

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~Cronan~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	Damien Jacobs	DATE FINISHED	2/11/15

Elevation 2.05 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=34	0		0 / 0.3		ASPHALT Dark grey to black, silty SAND (SM) trace gravel, mps 0.4", no structure, no odor, moist, trace brick, trace ash and cinders, trace wood fibers.										
2																	
4	Direct push	G2 R=31	4														
6																	
			7		7.0		NOTE: Asphalt in tip of sleeve, probable top of TSCA cap at 7.0'										
8							BOE 7.0										
							Refusal at 7.0 on first attempt, refusal at 7.5' on 2nd and 3rd attempt										
10																	
12																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 7.0'
Rock Cored (Linear ft.) —
Number of Samples 62

BORING NO. E14a

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E14a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~[illegible]~~ IAF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/26/15
DRILLER	Glen Peterson	DATE FINISHED	2/26/15

Elevation ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	H	S	—
Inside Diameter (in.)	4	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — Hw Driven 11

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
6							First sample with truck rig at 7.0'											
	71 60 36 29	S1 19	7 9			SM	Very dense, black to dark grey, silty SAND (SM), mps 0.3", no structure, no odor, moist, trace glass (including three glass marbles), trace wood, trace copper wire, trace steel screws and bolts, trace brick, trace ceramic.											PID 7-11 0.3 ppm
8																		
	24 16 24 24	S2 21	9 11			SM	S2: Similar to above except Dense and no ceramic											
10																		
	27 4 4 3	S3 8	11 13			SM	S3: loose, Black, silty SAND with gravel (SM) (30-40% gravel), mps 1.3", no structure, no odor, moist, trace brick, trace wood, trace concrete											11-14.1 0.1 ppm
12																		
	6 2	S4 2	13 14.1			SM	S4: Similar to above											
							FILL											
14							NOTE: From 11.0 to 14.1 considerably more gravel/rubble											
							BOE 14.1'											

VOCs at 8.5'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) ; Rock Cored (Linear ft.) ; Number of Samples ; BORING NO. E14a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E16

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAW~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/15
DRILLER	T. Gaeum	DATE FINISHED	1/22/15

Elevation 21.4 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8"	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☒ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

10.6w PID

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R:38			0.3		0.3' Bituminous Concrete Pavement 0-5.1' Light gray brn to gray Silty SAND w/ gravel (SM) MPF 1.2", 1 cap at 5.1', M cd, mne -FILL										
2																	
4	Direct Push	G2 R:39"			5.1 5.6		5.1' porous TSCA CAP 5.1-5.6										
6							5.6-12.0' Gry to dark gray Silty SAND w/ gravel (SM) MPF 1.0", occasional pockets of coal, cinders increasing with depth, M dry, mod, 20% HL in fragments particularly spots -FILL										
8	Direct Push	G3 R:42"															
10																	
12							BOEC 12.0'										

0-4' 1.1

4-8 0.9

8-12 0.4

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0'; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. E16

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E17

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / Dme
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/10/15
DRILLER	D. Jaus	DATE FINISHED	2/10/15

Elevation 2.10 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: Geoprobe 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Direct push	61 R-42"	0.0			SM	0.0-0.3' Bituminous Concrete 0.3-4.0 Gray Silty SAND w/ gravel (SM) MPF 1.2" occasional pocket of clayey SAND, no structure, no odor, moist, trace brick —FILL—											10.6 ppm 0-4 ND
2																		
4	Direct push	62 R-40"	4.0		4.0 4.3		4.0-4.3' Probable TSCA CAP 4.3-11.0' Gray to dark gray Silty SAND w/ gravel (SM) MPF 1.5" No structure, no odor, moist, 20% gravel in fragments trace coal/ash —FILL—											4-8' ND
6						Voc @ 6												
8	Direct push	63 R-20"	8.0															8-11' ND
10			11.0															
12							BCEC 11.0											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	–
Number of Samples	63

BORING NO. E17

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E21

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. GHAY~~ / DMM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/10/15
DRILLER	D. Jacobs	DATE FINISHED	2/10/15

Elevation 20.15 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: Geoprobe D7

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust pick	G1 R=48	0.0			SM	0.0-0.4' Bituminous Concrete 0.4-5.5' gry-tn dense gry Silty Sand w/ gravel (SM) mpf 2.1", occasional pockets of ash, no odor, moist 10-15% Ash brick, wood, concrete, granite in fragments particles and spots -FILL										
2																	
4	Dust pick	G2 R=16	4.0 4.0 5.5														
6							BOEC 5.5 NOTE 3 attempts all yielded refusal at 5.5' No Samples Collected										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 5.5 x 3; Rock Cored (Linear ft.) –; Number of Samples 62.

BORING NO. E21

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E21

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	[redacted] / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/26/15
DRILLER	Glen Peterson	DATE FINISHED	2/26/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	H	S	—
Inside Diameter (in.)	4	3.0	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — HW Drive 7.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
6							NOTE: Took 2 attempts with truck rig target past concrete obstruction from ~5.5 to 7.0!											
	12 9 9 10	S1 8	7				Medium dense, black to dark grey, silty SAND (SM) trace gravel, MPS 0.4", no structure, no odor, moist, trace brick, trace ash and cinders											PID 7-9 ND
8			9															
	11 10 9 5	S2 10	9				S2: Similar to above except 50% of soil mottled with a light tan silty SAND											9-11 ND
10			11				FILL											
							BOE 11.0											
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	
Number of Samples	S2

BORING NO. E21

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E22

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ DMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/10/15
DRILLER	D. Travis	DATE FINISHED	2/10/15

Elevation	20.3 ft.	Datum		Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT	Hammer Type	Drilling Mud / Casing Advance
Type		6"		☐ Truck ☐ Tripod ☐ Cat-Head		☐ Safety	☐ Bentonite / Type Method Depth
Inside Diameter (in.)		2.5"		☐ ATV ☒ Geoprobe ☐ Winch		☐ Doughnut	☐ Polymer / 6D
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit		☒ Automatic	☒ None
Hammer Fall (in.)		—		☐ Skid ☐ Cutting Head		Drilling Notes:	

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct push	61 R=40"	0.0				0.0 - 0.3' Bituminous Concrete											10.6W
							0.3 - 7.0'											0-4
2				VOC @ 3.0		SM	Gry to dark gry Silty SAND w/ gravel (SM) mpr=2" No Stain no odor moist 10-15% Bent, coal in fragments particles and specks - FILL											ND
4	Direct push	62 R=40"	4.0															4-8 ND
6																		
					7.0													
8	Direct push	63 R=16"	8.0			SM	7.0 - 10.5' Black Silty SAND w/ gravel (SM) mpr 0.9" No Stain no odor moist 75-85% Ash, cinders slag in fragments particles and specks - ASH FILL BCEC 10.3											8-10.3 ND
10			10.5															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	10.3'
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	E22

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. F10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAW~~ DMP Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	Damien Jacobs	DATE FINISHED	2/11/15

Elevation 21.4 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct Push	G1 R=30"	0				0-0.3' Bituminous Concrete											0-4 ND
2						Sm	0.3-5.5' Gray brn to dk gray Silty SAND w/ gravel (Sm) MPS 2", no Structu no odor, most tone wood in fragments -FILL-											
VOCs at 4	Direct Push	G2 R=46"	4															4-8 ND
6					5.5 5.9		5.5-5.9' probable TSCA cap											
8	Direct Push	G3 R=48"	8	VOC @9.0'		Sm	5.9-12.0' Gray brn chang to light brn SILTY SAND (Sm) MPS 0.5" no Structu no od, most, probable of ash at 11.5' -FILL-											8-12 ND
10																		
12			12															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.); Number of Samples 63

BORING NO. F10

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. F12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~[illegible]~~
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacobs	DATE FINISHED	2/13/15

Elevation 21.7 ft. Datum

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 1/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Boring Location: SEE PLAN

Rig Make & Model: 6620 GP

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP/PW

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=29	0		0 / 0.3		ASPHALT										
						SM	Grey to black, silty SAND with gravel (SM), mps 0.5", no structure, no odor, moist, trace brick, trace asphalt, trace ash and cinders, trace pockets of cohesive fill.										
2																	
4	Direct Push	G2 R=32	4				— FILL —										
6					6.6												
			7		7.0		TSCA CAP 6.6-7+										
8							BoE 7.0 Refusal at 7.0' after 3 attempts										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	7.0
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	F12

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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No environmental samples collected

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. F12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ T DWI
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/23/15
DRILLER	G. PETERSON	DATE FINISHED	2/23/15

Elevation ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	5'	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	3'	

Rig Make & Model CME 75

☒ Truck ☐ Tripod ☒ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☒ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — HW Drive

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0																	
3							contact geoprobe Refusal at 7.0' K3 Moved 3' NW found cell Cent top of cap at 6.5'										
					-6.5												
7	71	S1	7.0				Black bituminous concrete Probably TSCA cap.										
	100/5	R=6"	7.9				Concrete obstruction 7.9 - 8.9'										
9	69	S1	8.9				S1: Very dense light brown										
	70						Changes to gray at 10.0' Silty										
	70	R:					SAND w/ gravel (SM) MPS= 2.5",										
					-10.0		No Stain no odor, more 15% bar										
	55		10.9														
11	30	S2	10.9				S2: 10.0 - 12.4' Black Silty										
	25						SAND w/ gravel (SM) MPS= 1.5"										
	32						Sight gray Silty layer at 12.0',										
							NO odor, more, 15-25% bar, ash,										
			12.4				Sly organic patches and specs										
13							- File										
							BOE @ 12.4'										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	12.4
Rock Cored (Linear ft.)	—
Number of Samples	52

BORING NO. F12

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. F14a

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~[illegible]~~
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacob	DATE FINISHED	2/13/15

Elevation 267 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: 6620DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=42"	0				0.0 - 0.3' Bituminous Concrete										
							0.3 - 6.7 Gray to dark gray Silty SAND w/gravel (SM) mps 2", No Stain No odor, moist, trace Concrete, coal, brick in fragments particles and objects - Fill										
2						SM											
4	Direct Push	G2 R=40"	4														
6																	
					6.7		Bituminous Concrete 6.7-7.0'										
	7.0		7.0				Refusal at 7.0' 3 attempts										
8							No Environmental Samples Collected										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 7.0
Rock Cored (Linear ft.) -
Number of Samples 52

BORING NO. F14a

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. F14a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/27/15
DRILLER	Glen Peterson	DATE FINISHED	2/27/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	PW	S	—
Inside Diameter (in.)	5	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — PW Driven 8.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength	PID (ppm)
6							NOTE: Attempt with truck rig, cap roughly 6.7 – 7.8'											7–7.1
	100/1.5"	S1 1	7 7.1				very dense, black silty SAND with gravel, trace asphalt. All recovered in spoon tip (mps 0.5")											ND
8	68 63 29 37	S2 19	8 10			SM	very dense, Black, silty SAND (SM), trace gravel, mps 0.4", no structure, no odor, moist, trace glass, trace copper wire, trace ceramic, trace wood											8–10 ND
10	24 19 15 19	S3 15	10 12			SM	Similar to above except Dense											10–12 0.2
12	13 10 10 8	S4 11	12 14			SM	Medium dense, black, silty SAND (SM), trace gravel, mps 0.3", no structure, no odor, moist, trace mottling with tan silty SAND, trace glass, ceramic, wood and copper wi											12–14 ND
14							BOE 14.0'											

VOCs at 9.1'

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	14.0
Rock Cored (Linear ft.)	
Number of Samples	54

BORING NO. F14a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 611

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.OHAN~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/11/15
DRILLER	Damien Jacobs	DATE FINISHED	2/11/15

Elevation 21.5 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Direct Push	G1 R=35	0		0 / 0.2		ASPHALT											10.600 PID
						SM	Dark grey to black, Silty SAND (SM) trace gravel, mps 0.5", no structure, no odor, moist, trace brick, trace ash and cinders											0-4 0.8
2																		
VOCs at 8.10																		
4	Direct Push	G2 R=39	4															4-8 0.3
6					6.9 / 7.3		TSCA Cap											8-12 1.1
8	Direct Push	G3 R=44	8			SM	Grey to dark grey, Silty SAND (SM) trace gravel, mps 0.3", no structure, no odor, moist 10% ash and cinders, trace glass											
10					10.5	SP	Tan to yellow brown, poorly graded SAND (SP), mps 0.1", no structure, no odor moist											
12			12				BOE 12.0											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.) —; Number of Samples 6; BORING NO. 611

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. G12

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	2/12/15

Elevation 21.6 ft.	Datum	Boring Location	SEE PLAN				
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 GP	Hammer Type	Drilling Mud
Type		G		☐ Truck ☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite
Inside Diameter (in.)		2 5/8		☐ ATV ☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer
Hammer Weight (lb.)				☐ Track ☐ Air Track	☐ Roller Bit	☒ Automatic	☒ None
Hammer Fall (in.)				☐ Skid	☒ Cutting Head	Drilling Notes:	

Casing Advance: Type Method Depth — GP

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=48	0				- 0.0 - 0.3' Bituminous Concrete 0.3 - 6.0' Dark gray SILTY SAND w/ gravel (SM) mpd 2.25, NS Structure 10 odor moist. 15% Brick, Concrete, in fragment particles and specks. - Fill -										
2						SM											
			4														
4	Direct Push	G2 R=32	4														
6					6.0		6.0 - 7.0' BLACK Bituminous Concrete										
			7.0				Probable TSCA CAP Refusal at 7.0' 3 attempts										
8							No Environmental Samples Collected										
							NOTE: Refusal w/ HSA 2/18/15 REFUSAL AT 1.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	7.0
Rock Cored (Linear ft.)	
Number of Samples	12
BORING NO.	G12

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. G12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / Dm
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	G. PETERSON	DATE FINISHED	2/23/15

Elevation 21.16 ft. Datum

Boring Location: SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	PW	S	
Inside Diameter (in.)	5	3	
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: Truck CME 75

☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☒ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: PW - Drive - 20'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0																		
							underlying obstruction at 1.0' from Auger refusal on 2/18/15 rolled from 1-3' in obstruction used 275 gallons of water mostly liquids, mud closer to cell centers											
2																		
4							Concrete obstruction 2.0-4.0'											7-9' ND
					6.0		TOP of TSCA Cap at 6.0' (from Geoprobe 2/13/15)											
7	18 66 94 76	S1 R=14"	7.0 8.0		7.0	SM	S1. Dark brown to gray brown Silty SAND (SM) mps= 0.9", No structure no odor, moist. trace bricks, concrete in fragment pieces and specks -FILL-											
9	47 56 35 26 22	S2 R=21"	9.0 9.0 11.6 11.6		9.0	SM	S2. Very dark black Silty SAND w/ gravel (SM) mps= 2.0", No structure, no odor, moist 20-30% Ash, brick, slag, concrete, wire, glass in fragments pieces and specks -FILL- NOTE: obstruction Sampler to 11.5' BOEC 11.6'											9-11.6' ND
12																		

18 BCO 10

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	11.6'
Rock Cored (Linear ft.)	—
Number of Samples	S2

BORING NO. G12

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. G13

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~[illegible]~~ /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacobs	DATE FINISHED	2/13/15

Elevation 21.6 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☒ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=41	0		0 / 0.3		ASPHALT										
							Grey to black, silty SAND with gravel (SM), MPS 0.5", no structure, no odor, moist, trace brick, trace wood, trace concrete, 5-10% ash and cinders										
2																	
			4														
4	Direct Push	G2 R=33	4														
6					6.7 / 7.0		TSCA cap 6.7-7.0+										
			7														
8							BOE 7.0										
							Refusal at 7.0' on 3 attempts										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 7.0; Rock Cored (Linear ft.); Number of Samples G2

BORING NO. G13

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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No environmental samples collected

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. 613

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/18/15
DRILLER	G. Ritum	DATE FINISHED	2/18/15

Elevation	ft.	Datum		Boring Location	SEE PLAN			Hammer Type	Drilling Mud	Casing Advance
Item	Casing	Sampler	Core Barrel	Rig Make & Model	CME 75			☐ Safety	☐ Bentonite	Type Method Depth
Type	HSA	S		☒ Truck	☐ Tripod	☒ Cat-Head		☐ Doughnut	☐ Polymer	HSA
Inside Diameter (in.)	4 1/4	3		☐ ATV	☐ Geoprobe	☐ Winch		☒ Automatic	☒ None	
Hammer Weight (lb.)	—	140		☐ Track	☐ Air Track	☐ Roller Bit		Drilling Notes:		
Hammer Fall (in.)	—	30		☐ Skid		☒ Cutting Head				

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							TSCA CAP 7.0-8.0' Auger to 8.0'										
8	56	S1	8.0			SM	S1: Very dry brown to gray brown silty SAND and gravel (gravel mpx 1.5") No staining or odor, moist. 20% fines, coarse to fine fragments pebbles and cobbles										
	100/3"	29"	8.8	VSC C8.5													
10							— FILL — Auger refusal at 9.0'										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	9.0
Rock Cored (Linear ft.)	—
Number of Samples	S1
BORING NO.	613

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. 615a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	2/12/15

Elevation 2.13 ft. Datum . Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☒ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=42	0		0												
					0.3		ASPHALT										
2							Grey to dark grey, silty SAND (SM) trace gravel, mps 0.4", no structure, no odor, moist, 10% pockets of cohesive fill, trace brick										
4	Direct Push	G2 R=46	4		5.4												
					5.9		TSCA cap										
6							Grey to black, silty SAND with gravel (SM), mps 0.4", no structure, no odor, moist, trace brick, trace glass, trace concrete, 5-10% ash and cinder										
8			8														
							BOE 8.0'										
10																	
12																	

PI

0-4

ND

4-8

ND

VOCs at 6.2'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. 615a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 618

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	D. Tarbox	DATE FINISHED	2/12/15

Elevation 21.0 est. ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 1/4	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: (Geo 20 DT)

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: 6

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dust pan		0.0				0.0 – 0.3' Bituminous Concrete											10.6 CN P10
		61 R=48"				SM	0.3 – 7.0' Dark gray with red spots silty SAND w/ gravel (SM) MPS: 1.0" pockets of ashy sand and concrete No odor moist – FILL											0-4 0.8 4-8
2																		
4	Dust pan		4.0															ND
		62 R=40"	4.0															
6					7.0													
						GM	7.0 – 11.0' Gray Silty Gravel w/ Sand (GM) MPS: 2", no structure no odor, dry – FILL –											8-12
8	Dust pan		8.0															ND
		63 R=35"		Vr @10														
10																		
12			12.0															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (Linear ft.) 12
- Rock Cored (Linear ft.) –
- Number of Samples 63

BORING NO. 618

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H11

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/10
DRILLER	D. Tarbs	DATE FINISHED	2/12/10

Elevation 21.0 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6"	
Inside Diameter (in.)		2"	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dirt						0.0 – 0.3' Bitumus Count										
	Push	G1 R=48"					0.3 – 6.5										
2						SM	Dark gry wood red and gry bands Silty Sand (SM) mpl= 1.0'; No Stain no odor moist 10-15% Brick, Count and ash in frozens pieces and Spoo										
4	Dirt Push	G2 R=24"															
6					6.5												
							Probe TSCA CAP 6.5 – 7.0'										
					7.0		Refusal at 7.0' BOEC 70										
7																	
							No Samples Collected										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 7.0; Rock Cored (Linear ft.) —; Number of Samples 02

BORING NO. H11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/18/15
DRILLER	G Pistone	DATE FINISHED	2/18/15

Elevation 21.0 ft.	Datum		Boring Location SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model CME 55	
Type	HSA	S		☒ Truck ☐ Tripod ☒ Cat-Head	
Inside Diameter (in.)	4¼	3"		☐ ATV ☐ Geoprobe ☐ Winch	
Hammer Weight (lb.)	—	140		☐ Track ☐ Air Track ☐ Roller Bit	
Hammer Fall (in.)	—	30		☐ Skid ☐ ☒ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	HSA
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0																	
					7.0		auger to 8.0' wet no samples probable TSCA cap										
					7.17												
8	40	S1	8.0			SM	S1: Very dry, light brown to gray SILTY SAND w/ gravel (SM) mpl: 1.5', No stain no odor moist 10-15% brick, concrete, ash, wire, tin fragments pieces and specs — FILL	10	5	10	10	30	35				
	55			Vac C8-9'													
	44	R20"															
	52		10.0														
10	10	S2	10.0			SM	S2: Dry light brown to gray brown silty SAND w/ gravel (SM) mpl: 2.0', No stain no odor moist. Trace coppe wire fragments of brown fine. — FILL BOEC 12.0'										
	25	R0															
	15																
12	23		12.0														

10.6 U
P10

8-10'
NO

10-12'
NO

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	12.0'
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	
U	Undisturbed Sample	Filter Sand	Number of Samples	52
S	Split Spoon Sample	Cuttings		
G	Geoprobe	Grout	BORING NO.	H11
		Concrete		
		Bentonite Seal		

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H13

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~G.SHEET~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	2/17/15

Elevation 21.1 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	Auger	6/5	—
Inside Diameter (in.)	4 1/4	3 5/16/3"	—
Hammer Weight (lb.)	—	140	
Hammer Fall (in.)	—	30	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☒ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=41	0		0 / 0.3		ASPHALT										
							Black to grey, silty SAND (SM) trace gravel, mps 0.5", no structure, no odor, moist, trace brick, 10-15% ash and cinders										
2																	
			4				(new) FILL										
4	Direct Push	G2 R=37	4														
6					6.5 / 7.0		TSCA Cap 6.5-7.0+										
			7				GEOPROBE Refusal at 7.0'										
8		S1	8.0				NOTE on 2/17/15 used CME 75 auger rig to attempt to get through cap - Auger refusal at 5.6'										
		S2															
10																	
12																	

PI
0-4
ND
4-7
ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary	
Overburden (Linear ft.)	7.0 / 9.0
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	H13

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H13

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. CHAN~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/20/15
DRILLER	Glen Peterson	DATE FINISHED	2/20/15

Elevation	ft.	Datum		Boring Location	SEE PLAN						
Item	Casing	Sampler	Core Barrel	Rig Make & Model	CME 75			Hammer Type	Drilling Mud	Casing Advance	
Type	PW	S	—	☒ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite	Type Method Depth	
Inside Diameter (in.)	5.0	3.0	—	☐ ATV	☐ Geoprobe	☒ Winch		☐ Doughnut	☐ Polymer	PW Driven 9.5	
Hammer Weight (lb.)	140	140		☐ Track	☐ Air Track	☒ Roller Bit		☒ Automatic	☒ None		
Hammer Fall (in.)	30	30		☐ Skid		☐ Cutting Head		Drilling Notes:			

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
6																		PID
8	96 100/2"	S1 5	8 8.6			SM	Black silty SAND (SM), mps 0.4", no structure, no odor, moist, trace gravel, trace brick, 30-35% ash and cinders — FILL —											8-8.6' 0.5
10	12 13 20 19	S2 11	9.5 11.5		9.5	SM	Black to light tan, silty SAND (SM), mps 3.0", no structure, no odor, moist, trace gravel, trace brick — FILL —											9.5-11.5 0.3
12							BOE 11.5'											
14																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	11.5
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	—
U	Undisturbed Sample	Filter Sand	Number of Samples	52
S	Split Spoon Sample	Cuttings		
G	Geoprobe	Grout	BORING NO.	H13
		Concrete		
		Bentonite Seal		

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H14

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~BOWAT~~ A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	2/19/15

Elevation 21.1 ft.	Datum	Boring Location	SEE PLAN				
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6610 DT / CME75	Hammer Type	Drilling Mud / Casing Advance
Type	Auger	6.5		☐ Truck ☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite
Inside Diameter (in.)	4 1/4	2.5 in/3		☐ ATV ☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer
Hammer Weight (lb.)		140		☐ Track ☐ Air Track	☐ Roller Bit	☒ Automatic	☒ None
Hammer Fall (in.)		30		☐ Skid	☒ Cutting Head	Drilling Notes:	Type Method Depth: GP/HSA/CA 20

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct Push	G1 R=34	0		0 / 0.3		ASPHALT Grey to black, silty SAND with gravel (SM), mps 0.5", no structure, no odor, moist, trace pockets of poorly graded SAND, trace brick, trace concrete, 10-15% ash and cinders											0-4
2																		ND
4	Direct Push	G2 R=40	4				(new) FILL											4-7
6					6.5													ND
7					7.0		TSCA Cap 6.5-7.0+ Geoprobe refusal at 7.0 USE HSA to drill to 9.0'											
8	38 100/3	S1 R=9	8.0 / 8.8				S1: Very dense, light brown silty SAND (SM) mps 0.19", no structure, no odor, moist, geotextile and membrane in spoon tip. Auger refusal at 9.0'											
10																		
12																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	G1 7.0 / HS 9.0
Rock Cored (Linear ft.)	
Number of Samples	G2 / S1
BORING NO.	H14

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H14

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	G. PETERSON	DATE FINISHED	2/12/15

Elevation ft. Datum | Boring Location SEE PLAN | Rig Make & Model CME 75

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4.00	3	
Hammer Weight (lb.)	300	140	
Hammer Fall (in.)	27	30	

☒ Truck ☐ ATV ☐ Track ☐ Skid | ☐ Tripod ☐ Geoprobe ☐ Air Track | ☐ Cat-Head ☐ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: HW-Dam

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0							Primus refusals at 7.0' - advance casing to 7.0 roller bit to 8.0'											
8	13	S1	8.0				S1: Dense dark gray											8-10'
	19	R=20"		Vol CGW		SM	Silty SAND w/ gravel (SM) MPS= 2", Sight layer of white ash at 10.0', No odor, moist											NO
	17						20-30% Ash, cinders, coals and brick in fragment particles and specks											
10	21		10.0															10-12'
	13		10.0															
	12	S2																
	9						- Fill -											
	9	R=13"				SM	S2: Medium dense gray brown Silty SAND w/ gravel (SM) MPS= 1.5" No Stratum No odor, moist - Fill											0.9
12			12.0															

10-12' 0.9

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	12.0
Rock Cored (Linear ft.)	—
Number of Samples	S2
BORING NO.	H14

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. H15

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	D. Stearns	DATE FINISHED	2/12/15

Elevation 2.0 ft. Datum — Boring Location: SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	Auger	G	
Inside Diameter (in.)	4 1/4	3.5 1/4	
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model: GEOPROBE 7822DT / Limited Access

☐ Truck ☐ Tripod ☐ Cat-Head ☐ Safety ☐ Bentonite
☐ ATV ☒ Geoprobe ☐ Winch ☐ Doughnut ☐ Polymer
☐ Track ☐ Air Track ☐ Roller Bit ☒ Automatic ☒ None
☐ Skid ☒ Cutting Head

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=41"	0.0			SM	0.0 - 0.3' Bituminous Concrete 0.3 - 7.0' Light brown, gray, and brown banded silty SAND w/ gravel (SM) moist 20%, No staining or odor, many tram cinders in fragments - FILL										
2																	
4	Direct Push	G2 R=28"	4.0														
6																	
			7.0		6.7		TOP of Portable TSCA cap										
					7.0												
8					7.5		3 X Refusal on portable TSCA cap @ 7.0' Auger refusal at 7.5 2/19/15										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	7.0 / 7.5
Rock Cored (Linear ft.)	
Number of Samples	G2 / G
BORING NO.	H15

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. H15

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~, DMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/17/15
DRILLER	G. Peterson	DATE FINISHED	2/17/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	3.0	3	
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: CME 75

- [x] Truck
- [ ] ATV
- [ ] Track
- [ ] Skid
- [ ] Tripod
- [ ] Geoprobe
- [ ] Air Track
- [ ]
- [x] Cat-Head
- [ ] Winch
- [ ] Roller Bit
- [x] Cutting Head

Hammer Type: [ ] Safety [ ] Doughnut [x] Automatic

Drilling Mud: [ ] Bentonite [ ] Polymer [x] None

Casing Advance: Type Method Depth HW-Drm

Drilling Notes: Auto hammer used to drive sleeve

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0							NOTE Drill refusal w/ Geoprobe at 7.0' start sampling at 8' auger refusal at 7.0' NO Samples abv 8.0'											10 bgs PID
8	18	S1	8.0			SM	S1: Dry, blnd Silty Sand w/ gravel (SM) mpl: 2" NO Strata rocks max 10-15% brick, ash, in frgmts pieces and stones											8-10' 0.4
	23	Rec 12"																
	25																	
	17		10.0															
10	17	S2	10.0				-FU											10-12' 1.0
	17	Rec 16"					S2: Dry, brn Silty Sand w/ gravel (SM) mpl: 2" NO Strata rocks max											
	25																	
12	25		12.0															
							BOEC 12.0'											
14																		
							NOTE Limited refusals by (1) Geoprobe (2) H&A											
12																		
13																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.)	12.0'
Rock Cored (Linear ft.)	—
Number of Samples	52
BORING NO.	H15

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. I7

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER	D. JACOBS	DATE FINISHED	

Elevation 18 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GS	
Inside Diameter (in.)		2 5/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: Geoprobe 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	Direct Push	G1 R=34"	0.0			CL	0.0-4.0 Olive gray Sandy lean CLAY(CL) mps= 2" frequent intrusions of poorly graded gravel and occasional intrusions of gray silty sand was up to 4" thick no odor, moist to wet CL products, trace ash - FILL -		10	5	10	10	65	N	M	M	—
2																	
4	Direct Push	G2 R=29"	4.0 4.0			SM	4.0-8.0' Gray to dark gray silty sand w/ gravel (SM) mps= 1.2", no sheen no odor moist to wet in places. 15-25% brick, ash, coarse in fragment particles and spots - FILL / ASH FILL	5	15	10	15	30	25	—			
6																	
8			8.0														
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples G2; BORING NO. I7

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. I9a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~A. STAY~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacobs	DATE FINISHED	2/13/15

Elevation 20.7 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☒ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=28	0		0 / 0.3	SM	ASPHALT Grey to black, silty SAND with gravel (SM), mps 0.4", no structure, no odor, moist, trace brick, trace ash and cinders, trace concrete, trace pockets of cohesive fill.										
2																	
4	Direct Push	G2 R=19	4				— FILL —										
				5.4													
6			6		6.0		TSCA Cap 5.4-6.0+										
							BoE 6.0										
8							Refusal at 6.0 after 3 attempts										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 6.0; Rock Cored (Linear ft.); Number of Samples 62; BORING NO. I9a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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No environmental samples taken

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. I9a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/26/15
DRILLER	R. Eastwood	DATE FINISHED	2/26/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	340	300	
Hammer Fall (in.)	27	24	

Rig Make & Model: MPH B-57

- [x] Truck
- [ ] ATV
- [ ] Track
- [ ] Skid
- [ ] Tripod
- [ ] Geoprobe
- [ ] Air Track
- [ ] Cat-Head
- [x] Winch
- [x] Roller Bit
- [ ] Cutting Head

Hammer Type: [ ] Safety [x] Doughnut [ ] Automatic

Drilling Mud: [ ] Bentonite [ ] Polymer [x] None

Casing Advance: Type Method Depth HW-6.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							From Geoprobe refusal at 6.0' on probable TSCA CAP 2/13/15										
					5.0		TOP of TSCA CAP at 5.0'										
6					6.0												
7																	
	18	S1	7.0		7.0												
	22					SM	S1 Dam, gry Silty SAND w/gravel (SM) mps=3.0", No structure NO OR, moist -FW-										
	22																
	33	R=15"															
9.5	28		9.0														
	26		9.0														
	17	S2				SM	S2: Medm dnse, gry Silty SAND w/gravel (SM) mps= 3.0", No structure NO OR wet -FW-										
	9	R=18															
11	9		11.0														
							BOEC 11.0'										

10.6 NO PID

7-9' NO

9-11' NO

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	—
Number of Samples	52

BORING NO. I9a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. I10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~SCOTT~~ T. Dano
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacobs	DATE FINISHED	2/12/15

Elevation 20.7 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		5	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=	0				0.0 – 0.3' Bituminous Concrete										
							0.3 – 5.2' Dark gray and light gray banded Silty SAND w/gravel (SM) mpr=20" occasional portions of clayey sand, no odor moist. trace brick, concrete fragment particles and stone										
2																	
4	Direct Push	G2 R=	4														
					5.2		5.2 – 6.0' Bituminous Concrete										
6			6.0														
							Refusal at 6.0' on probable TSCA cap No Environmental Samples Collected										
8																	

Gravel: % Coarse, % Fine; Sand: % Coarse, % Medium, % Fine; % Fines; Field Test: Dilatancy, Toughness, Plasticity, Strength

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 6.0'
Rock Cored (Linear ft.)
Number of Samples 62

BORING NO. I10

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. I10

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.MAY~~ + DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/27/15
DRILLER	R. Eastman	DATE FINISHED	2/27/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	300	340	
Hammer Fall (in.)	27	27	

Rig Make & Model: Mobile B-57

☒ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☒ Roller Bit
☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☑ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: HW-Auger 7.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							continued Geoprobe refusal in TARGET CAP at 6.0'										
5					5.12		DRILL ACTION INDICATES TOP of TARGET CAP ↓										
7	70	S1 R=6'	7.0 / 7.5		7.0	Sm	S1: Very dense, gray Silty SAND (Sm) MPI=0.9", no structure, trace fine, coarse and wood fragment particles and open — FILL —										
					7.55		concrete / wood 7.5-9.0'										
9	27 31 56 52	S2 R=15"	9.0 / 11.0		9.0	SW-SM	S2: Very dense, gray well graded SAND w/silt and gravel (SW-SM) MPI=3", No structure or odor, wet — FILL —										
11																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 11.0; Rock Cored (Linear ft.) —; Number of Samples 52

BORING NO. I10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. F11

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~G.SHAW~~ AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/13/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation 20.9 ft.	Datum	Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Hammer Type / Drilling Mud / Casing Advance
Type		G		☐ Truck ☐ Tripod ☐ Cat-Head	☐ Safety ☐ Bentonite
Inside Diameter (in.)		2 5/16		☐ ATV ☒ Geoprobe ☐ Winch	☐ Doughnut ☐ Polymer
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	☒ Automatic ☒ None
Hammer Fall (in.)				☐ Skid ☒ Cutting Head	Drilling Notes:

Casing Advance: Type Method Depth — GP

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=37	0		0 / 0.3		ASPHALT Grey to black, silty SAND with gravel (SM), mps 0.4", no structure, no odor, moist, trace brick, trace wood, 5% ash and cinders										
2																	
4	Direct Push	G2 R=24	4				— FILL —										
			6		5.6 / 6.0		TSCA cap 5.6-6.0+										
6							BOE 6.0 Refusal at 6.0 after 3 attempts										
8																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	6.0
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	F11

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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No environmental samples collected

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. I11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ DMM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/22/12
DRILLER	R. Eastman	DATE FINISHED	2/22/12

Elevation	ft.	Datum		Boring Location	SEE PLAN				
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Mobile B-57			Hammer Type	Drilling Mud
Type	HW	S		☒ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite
Inside Diameter (in.)	4"	3		☐ ATV	☐ Geoprobe	☒ Winch		☐ Doughnut	☐ Polymer
Hammer Weight (lb.)	340	340		☐ Track	☐ Air Track	☒ Roller Bit		☐ Automatic	☐ None
Hammer Fall (in.)	24	24		☐ Skid		☐ Cutting Head		Drilling Notes:	

Casing Advance	
Type	Method Depth
HW	DW 8.0

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							Pumps Replaced by Geoprobe 2/23										
5					5.0		Probable top of TASCA Cap										
7	27 50/3"	S1 R=9"	7.0 7.8'		7.0 7.8	SM	S1: Very dense black Silty SAND w/ Gravel (sub) mpS: 2.0"; No structure no odor most 10% ash, slag, copper wire, brick Coal in fragments particles and spalls — FILL										
9	11 20 28 20	S2 R=18"	9.0' 11.0		9.0 10.0	SM SW	Concrete obstruction 7.8-9.0' S2: Dense black clayey to light brown Silty SAND clayey to light brown Well graded SAND with Silt and gravel at 10.0' mpS: 3"; No structure no odor most — FILL — BEC @ 11.0'										
11																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	11.0'
Rock Cored (Linear ft.)	—
Number of Samples	52
BORING NO.	I11

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. I12a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/20/15
DRILLER	D. Travis	DATE FINISHED	1/20/15

Elevation 20.9 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		0	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: UGT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength	
0	Dual Push	G1	0.0			SM	0.13' Gray to dark gray Silty SAND w/gravel (SM) MPS 1.2", occasional pockets of Sandy lean CLAY up to 6" thick, no od, moist - FILL	5	10	15	15	30	25					10.6ev PID
2		R36																0-4 ND
4	Dual Push	G2	4.0			SM	4.0 - 6.0' Red and gray Silty Sand w/ gravel (SM) MPS 1.2", No staining no od, moist - FILL	5	15	10	15	30	25					4-8 1.1
6		R44			6.0		Cap at 6.0 - 6.5'											
8			8.9	VOC @ 8.9			6.5 - 8.9' gray and red Silty sand w/ gravel (SM) MPS 1.2", No staining no od, moist, pockets of clayey silt - FILL - BOE @ 8.9'	15	15	10	15	30	25					8-12 0.7
10																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	8.9
Rock Cored (Linear ft.)	—
Number of Samples	G2
BORING NO.	I12a

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. I13a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / DMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER	D. Davis	DATE FINISHED	1/26/15

Elevation 20.9 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dust Run		0.0				0.0–0.3' Bituminous Concrete pavement											10.6CU PID
		G1 R=39"				SP	0.3–6.0' Gry to dark gry Silty SAND w/ gravel (SM) mpl= 2.0", occasional pockets of Sandy CLAY up to 6" Strong no od, moist 20-30% Concrete, asphalt fragments particles and rocks — Fill	5	15	10	15	30	25					0-4 ND
2																		
4	Dust pavement		4.0 4.0															
		G2 R=48"																L1-8.9' 0.8
6					6.0 6.5		GAP 6.0–6.5'											
						SM	6.0–8.9' Gray with red spots SILTY SAND w/ gravel (SM) mpl= 2.0", No Staining, No od, moist 10-15% Brick, concrete fragments particles and stones — Fill											
8				Well @ 8.0														
	8.9		8.9				BREC 8.9'											
10																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	8.9'
Rock Cored (Linear ft.)	—
Number of Samples	62

BORING NO. I13a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J7

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~A. CHAT~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/4/15
DRILLER	Glen Peterson	DATE FINISHED	3/4/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	A	S	—
Inside Diameter (in.)	4	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — HW Driven

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.3		ASPHALT										
	24 41 22	S1 11	0.5			SM	Very dense black, silty SAND with gravel (SM), mps 0.5", no structure, no odor, moist, trace brick, glass, metal, plastic and wood fibers										
VOCs at 2.5' 2	20 13 13 15	S2 13	2 4			SM	Similar to above except medium dense										
							FILL										
4	4 5 5 10	S3 10	4 6			SM	loose, Dark grey to black, silty SAND (SM) trace gravel, mps 0.4", no structure, no odor, moist, trace wood, plastic, and glass										
6					6.1		Potential TSCA Cap										
VOCs at 9.0'	70/0.3"	no recovery	6 6.1		7.0												
8	10 76 58 66	S4 13	7 9				Very dense, black to dark olive brown, silty SAND (SM) trace gravel, mps 0.5", no structure, no odor, wet, trace brick, glass, wood and plastic S5: top 3" of sample similar to above except medium dense										
10	21 16 6 9	S5 15	9 11		10.0	SP	Medium dense, poorly graded SAND with gravel (SP), mps 0.6", no structure, no odor, wet, trace brick										
	6 8	S6 4	11 12		11.2	CL	stiff, olive brown to grey, lean CLAY trace gravel (CL), mps 0.3", plastic, no odor, wet										
12																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: BOE 12.0

O	Open End Rod	T	Thin Wall Tube
U	Undisturbed Sample	S	Split Spoon Sample
G	Geoprobe		

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (Linear ft.)	12.0
Rock Cored (Linear ft.)	
Number of Samples	56
BORING NO.	J7

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J8

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / Dump
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER		DATE FINISHED	1/26/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	GEC
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic
Inside Diameter (in.)		2.75 in		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth GP
Hammer Fall (in.)				☐ Skid ☐ ☐ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Dump pun	G1 R=36				CL	0-4' Gry wtrl occasion red zones Sandy Lean Clay (CL) mpl=0.8' no strata no odor moist, 20% brick, ash, Cinder in fragments particle and specks - Cohesive Fill	10	5	10	15	60	M	M	M	-
2																	
4	Dump pun	G2 R=46				CL	4-8 Gry wtrl occasional red gray Sandy lean Clay (CL) mpl=2.0' occasional pieces of ash brick, wood, cinder, glass or fragments particle and specks - Cohesive fill/Ash fill	10	5	10	15	60	N	M	M	-
6																	
8	Dump pun	G3 R=40				SM	8-12' Gry wtrl blocks bonds silty SAND w/gravel (SM) mpl=1.6' occasional pieces of lean clay no odor wet at 8' 100% Ash, slag cinder, brick in fragment particles and specks - ASH FILL	5	15	10	20	25	25				
10																	
12							BECZ.W										

VOC 4'

Duplicate Z_S1_406

S2 0-8

S3 8-10

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	—
Number of Samples	6
BORING NO.	J8

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J9

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2.5	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	ES Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.3		0–4"										
Push 0-4	G1 40"						0.3 – 1 light olive gray SP w/ gravel										
2							1–3 Black silty sand with gravel and cinder.										
							3-6 Olive gray ~~hydraulic~~ fill. disturbed organic soil										
4	G2 38"																
Push 4-8																	
6							6-6.5 possible asphalt cap TSCA										
			6-8	6-8			6.5-8.5 Dark brown SP w/ gravel										
							8.5-9.0 yellow brown sand layer										
8	VOC 8'		8-10	8-10													
Push 8-12	G3 42"						9-11 Dark brown SP w/ cinders ash and clay mix										
	VOC 10'																
10							11-12 Olive gray, hydraulic fill trace shells.										
							BOTTOM OF EXPLORATION AT 12'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	12.0
Rock Cored (Linear ft.)	
Number of Samples	6-3
BORING NO.	J9

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6610 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0				None	0.3		0-0.3 asphalt										
							0.3-1 Light olive gray SP w/gravel										
Push 0-4	G1	40"					1-5 Dark brown to black Clayey SAND with gravel 10% brick, 5% ash/cinders										
2																	
4	—																
Push 4-8	G2						5-6 - olive brown medium sand layer										
6	32"		6-8				6-6.5 asphalt TSCA cap										
							6.5-7 shattered granite pieces										
8	—						7-10 Brown to black SP with up to 50% cinders, 5% brick trace gravel.										
Push 8-12	G3		8-10														
10	35"						10-12 Clay/organic soil w/ ?										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12'; Rock Cored (Linear ft.); Number of Samples G3; BORING NO. J10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J11a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER	D. Jacobs.	DATE FINISHED	

Elevation	ft.	Datum	
Boring Location	SEE PLAN		

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2.5/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: CME 20

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth: J11a

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0-0.3 asphalt										
							0.3 - 1. light olive gray SP/ with gravel										
Push 0-1	G1 45"						1 - 5. Dark brown with brown and black silty SAND/clayey SAND with gravel. 20 cinders/ash 10% brick, ~~10%~~										
4																	
Push 4-6	42" G2				5.0		5 - 5.4 Probable TSCA cap. asphalt										
6	VOC	6'	5-6	FS 5-8			5.4 - 6 Dark gray ash/silt layer										
8							6 - 10 dark brown silty SAND with up to 30% crushed brick.										
Push 8-12	G3 33"																
10							10 - 11 note: above sam with 50% cinders.										
							11 - Disturbed organic soil fill										
12							Bottom of EXPLORATION AT 12'										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	12.0'
Rock Cored (Linear ft.)	
Number of Samples	63
BORING NO.	J11a

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J12a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/26/15
DRILLER	D. Jacobs	DATE FINISHED	1/26/15

Elevation 20.5'± ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		2.5/1.1	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: Geo70 DJ

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dump pun						0.3' Brown Coal. plenty										
		61 R=38"				SM	0.3-5.0 Gray to dark gray Silty SAND w/gravel (SM) MPS= 1.5", occasional clayey pockets, no odor, moist —FILL—	5	15	15	15	25	25	—			
2																	
4	Dump pun																
		62 R=47			-5.0 -5.3		5.0' Cap 5.3'	5	15	10	20	30	20	—			
6				VOC @6		SM	5.0-9.0' Red and gray banded Silty SAND w/gravel (SM) MPS= 1.5" No Stain no odor moist 30% Burn Coal, ash cinder, slag in fragments pieces and specs —Fill—										
8	Dump pun				-9.0												
		63 R=39				SM	9.0-12.0' black Silty SAND w/ gravel (SM) MPS= 1.5" No Stain no odor moist Single band of olive fine sand 9.3-9.9', 65% Ash, slag, coal fabric in fragments pieces and specs —ASH FILL— BOC @ 12.0'	5	15	10	10	30	30	—			
10																	
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	
Number of Samples	63
BORING NO.	J12a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J13

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/20/15
DRILLER	D. JACOBS	DATE FINISHED	1/20/15

Elevation 20.6 ft.	Datum		Boring Location SEE PLAN				
Item	Casing	Sampler	Core Barrel	Rig Make & Model 10620 DT	Hammer Type	Drilling Mud	Casing Advance
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth
Inside Diameter (in.)		2 5/8		☐ ATV ☒ Geoprobe ☐ Winch	☐ Doughnut	☐ Polymer	6P
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	☒ Automatic	☒ None	
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	Drilling Notes:		

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Direct push		0.0				0.3' Bitumes Concrete Pavement											10.6 cw PID
		G1 R=38"				SM	0.3-5.0' gry wh red mottling Silty SAND w/gravel (SM) mps= 1.5" occasional pockets of Sandy lean CLAY up to 6" No odor, most 20-30% brick, ashy concrete in fragments particles and specks	5	15	10	15	30	25					0-4 ND
2							— FILL —											
4	Direct push	G2 R=47"	4.0		5.0		cap at 5.0'											
					5.2'		5.2-8.0' red gray with red specks Silty SAND w/gravel (SM) mps= 2.0", No Structure no odor, most 30% brick ashy cinder mixed in fragments/particles and specks	5	15	10	15	30	25					4-8' ND
6							— ASH FILL —											
8	Direct Push	G3 R=45"	8.0	Vol @ 8.0'			BOEC 8.0											
10																		
12																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	6.0
Rock Cored (Linear ft.)	
Number of Samples	62
BORING NO.	J13

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J16a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/3/15
DRILLER	D. Jacks	DATE FINISHED	2/3/15

Elevation 20.2 ft.	Datum	Boring Location	SEE PLAN
Rig Make & Model	6620 DI		

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 1/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

☐ Truck	☐ Tripod	☐ Cat-Head	
☐ ATV	☒ Geoprobe	☐ Winch	
☐ Track	☐ Air Track	☐ Roller Bit	
☐ Skid		☒ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	
☒ Automatic	☒ None	60

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dual pen		0.0				0.0 — 0.3' Bituminous concrete pavement											10.6e P10
		61 R=44"				SC	0.3 — 3.4' gray brown Clayey SAND (SM) mpk=2.0", no stains no od, moist — FLL											0-4 ND
2					3.0													
					3.4		Probable TMSCA Caps 3.0-3.4'											
							3.4 — 10.0'											
						SM	Black, Silty SAND (SM) mpk= 0.8", no stains no od, moist, 60-75% Ash, wood, cinder, brick, in trace pockets and specs — FLL											4-8' ND
4	Dual pen	62 R=44"	4.0	Vac C5.0														
6																		
																		8-12'
8	Dual push	63	8.0															ND
10		R=38			10.0													
						CL	10.0 — 12.0' gray lean CLAY (CL) mpk=0.6", occasional pockets of fine sand, no odor wet in pockets — FLL											
12			12.0				BEC 12.0'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	12.0
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	J16a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J17

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/15
DRILLER		DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN 6620

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☑ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (FS)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0																	
					0.3		4" asphalt										
Push 0-4.0							0.3 - 2 Light gray										
							2-3.5 Brown sand w/ gravel										
							TSCA cap 3.5-4 SP w/ gravel										
				4.1													
Push 4-8				↑			4-10 Dark brown, silty sand w/ gravel										
				to			10% ash, cinders, trace wood, trace concrete										
													VOC 7.0'				
Push 8-12				↓	10.0		10-12 Hydraulic fill										
				11.4													
							Bottom of exploration at 12.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				~10	
				on top hyd. fill	

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.); Rock Cored (Linear ft.); Number of Samples; BORING NO. J17

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J18a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S. SHAY / DMPalm
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/3/15
DRILLER	Damien Jacobs	DATE FINISHED	2/3/15

Elevation 19.8 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 1610 D7

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dust Push		0.0															10.6ev PID
		61 R-38"				SM	61: gray brown silty SAND w/ gravel (SM) MPF 1.0" No Stain, No odor, moist 10-15% brick, rock, aluminum in fragment particles speck — FILL											0-4' ND
2																		
					3.6		3.6-3.9' probable TSCA Cap											
					3.9													
4	Dust Push		4.0															
		62 R-30"	4.0	VOC @6.0		SM	62: 3.8-8.0' black wet brown, gray and red speckles silty SAND (SM) MPF 0.8" 80-90% ASH, Cinder slag, wood, wire in fragments particles and specks — ASH FILL											4-8' ND
6																		
8			8.0				BCEC 8.0'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0'; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. J18a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. K8

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAH~~ / AE
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/3/15
DRILLER	Glen Peterson	DATE FINISHED	3/3/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	H	S	—
Inside Diameter (in.)	4	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — HW Driven

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0																	
	12 17 28	S1 13	0.5 / 2			SM	Dense, Dark grey to black, Silty SAND (SM), mps 0.4", no structure, no odor, moist, 30% pockets of poorly graded sand, trace brick, trace glass										
2 (VOCs at 7.2)	44 46 81 47	S2 19	2 / 4				S2: Similar to above except very dense										
4 (VOCs at 9.0)	12 13 10 15	S3 15	4 / 6			SM	S3: Medium dense, black to grey, Silty SAND (SM) trace gravel, mps 0.4" no structure, no odor, moist, trace poorly graded SAND, trace glass,										
					6.0		Black Silty SAND, ~50% asphalt/rubble, Potential TSCA Cap										
6	100/2"	S4 1"	6 / 6.1														
8	13 11 46	S5 8	7 / 9			SM	S5: Medium dense, black, Silty SAND with gravel (SM), mps 0.5" no structure, no odor, moist, 15% ash and cinders, trace glass, slag										
10	6 3 3 5	S6 11	9 / 11				S6: Similar to above except loose										
	6 4	S7 4	11 / 12				S7: Similar to above										
12							BOE 12.0										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 12.0; Rock Cored (Linear ft.); Number of Samples 57

BORING NO. K8

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. K 9

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/4/15
DRILLER	R. EASTON	DATE FINISHED	3/4/15

Elevation 19.5 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	300	300	
Hammer Fall (in.)	24	21	

Rig Make & Model: MBD B-57

☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — HW-dri

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							0.4' Bituminous Concrete pavement										
	14	S1	0.5		1.0	SM	S1: Medium dense, gray Clayey SAND w/ gravel (SC) mps: 2"; dense glacial material as sub base to 1.5'; No odor, moist -FILL										
	18	R-14"	2.0			SC											
2	8																
	12	S2	2.0			SC	S2: Medium dense, gray clayey SAND w/ gravel (SC) mps: 0.9"; No stain no odor, moist trace brick in fragments -FILL										
	12	R=12"															
	5																
4	6		4.0														
	4	S3	4.0			SC	S3: Dense, gray clayey SAND w/ gravel (SC) mps: 3"; No stain no odor moist										
	4																
	31	R=15"	5.5		5.4		Probable TSCA CAP 5.4-7.0'										
	20/0"																
6																	
	18	S4	7.0	VOC @ 7.0	7.0												
	14	R=21				SM	S4: Medium dense, black silty SAND w/ gravel (SM) mps: 2"; No stain no odor, wet 30-40% Ash, slag in fragments particles and specks gray tape at 9.0' -FILL										
8	10																
	10		9.0														
	9	S5	9.0	VOC @ 9.0													
	12	R10"	10.0			SM	S5 Medium dense gray silty SAND (SM) mps: 2"; No stain no odor, wet, 10% wood in fragments -FILL										
10																	
			10.5				BLEC 10.0										
12																	

FS C-7.5 C-3.5

PCB 3.5 - 5.5

5.5 - 7.5

FS 7.5-9.5 PCB 7.5-9.5

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	55
BORING NO.	K9

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. K15

Page 1 of

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	4/23/15
DRILLER	Pamela	DATE FINISHED	

Elevation 20.2 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☑ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	F.S Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							3" asphalt										
							0.2 - 1.0 Light olive gray SP w/ gravel										
							1.0 - 2 Dark brown SAN w/ brick										
2							2 - 2.2 TSCA cap / dense gravel										
			2.2	2.2			2.2 - 6.0										
			4.2				Brown SP w/ gravel										
4			4.2				20% brick										
				to			trace ash										
Duplicate																	
22_S1 2.2-4.2																	
22_S2 4.2-6.2			6.2				6.0 - 8.2										
VOC 7.0'							Dark brown to black										
							silty SAND trace glass trace wood										
8				8.2													
							BOTTOM OF EXPLORATION AT 8.2'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)
U	Undisturbed Sample	Filter Sand	Number of Samples
S	Split Spoon Sample	Cuttings	
G	Geoprobe	Grout	BORING NO. K15
		Concrete	
		Bentonite Seal	

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. K16a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ DMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/3/15
DRILLER	D Jones	DATE FINISHED	2/3/15

Elevation 20.0 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6620 GP	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☒ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Direct push		0.0				0.5' Bituminous Concrete Pavement											10.6ppm PID
		61 R=38"				SM	0.3 - 3.0' Gray with dark gray bands Silty SAND (SM) MPI= 0.8" No Staining no odor, moist 15-20% Ash in particles and specs —Fill—											0-4 ND
2					-3.0 -3.5		Probable TSCA CAP											
4	Direct push	62 R=48"	4.0 4.0	VOC @ 4.0		SM	3.5 - 7.0' Gray to dark brown Silty SAND (SM) MPI= 2.0" NO Staining no odor, moist, Ash, Cinders, glass, wire,											4-8 ND
6																		
					-7.0		7.0 - 10.0' gray with dark gray and white specs Silty SAND w/ gravel (SM) MPI= 0.8" NO Staining no odor, wet at 8.0' 80-90% Ash, cinders, slag in fragments particles and specs —Ash Fill—											8-12 ND
8	Direct push	63 R=43"	8.0 8.0			SM												
10					-10.0		10.0-12.0' gray organic Silt (OL/OH) MPI= 0.3" trace ash brick, cinders in particles and specs —Re-worked Organics— —Bro @ 12.0'—											
12			12.0'			OL/OH												

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary	
Overburden (Linear ft.)	12.0
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	K16a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. L9

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~B. SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/4/18
DRILLER	R. EARTHMAN	DATE FINISHED	3/4/18

Elevation 19.3 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	340	300	
Hammer Fall (in.)	24	22	

Rig Make & Model: Mobile B-57

☒ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☒ Roller Bit
☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — Hwy Dm

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0					0.4		0.4' Bituminous Concrete pavement											
	36	S1	0.5			SW	S1: Very dense gray silty SAND w/ gravel (SW) mpl= 3", No Stains no odor moist (frozen)											10.6 LV ND
	34	R=18"			1.5													
	21		2.0			SW	change at 1.5' to dark gray silty SAND 30% brick in fragments -FILL-											
2	19	S2	2.0															
	27					SC	S2: Very dense dark gray clayey SAND (SC) w/ gravel mpl= 2" No Stains no odor, moist trace brick, ash in particles and stones -FILL-											
	36	R=14"																
	42		4.0															
4	62	S3	4.0		4.3		Probable top of TSCA CAP 4.0-4.5'											
	50/0	R=5"	4.5			S3	Very dense bituminous concrete adhere roller bit to 6.0' to clean cap											6-8' 1.3
6	15	S4	6.0			SW	S4: Medium dense, black silty SAND w/ gravel (SW) mpl= 3" No Stains No odor, moist 40-50% Ash, cinder, slag, concrete ceramic, wood in fragments particles and stones -FILL-											
	14			VOC @ 6.0'														
	12	R=20"																
8	11		8.0															8-10' 0.9
	8	S5	8.0															
	15					SW	S5: Dense black silty SAND w/ gravel (SW) mpl= 3", No Stains No odor, moist fragments of wood trunk in tip -FILL-											
	17	R=12"		VOC @ 9.0'														
	6																	
10	11	S6	10.0															10-12 ND
	5					SW	S6: Loose black silty SAND w/ gravel (SW) mpl= 2" change to gray lean clay at 11.5' No odor wet Fill / coherent fill											
	5	R=18"			11.5													
12	6		12.0			CL	BOE @ 12.0'											

FSC-7.3 PCBC-3.3 PCB 3.3-5.3 PCB 5.3-7.3 FS 7.3-9.3 PCB PCB 9.3-11.3' Holes

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	12.0
Rock Cored (Linear ft.)	–
Number of Samples	56

BORING NO. L9

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. L10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / Dump
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/23/15
DRILLER	D. Jacobs	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2.3/4	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: GeoTD DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — 6D

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dump pen	G1 R=37	0.0		-0.3		Bitu. Concrete Pavy 0-10.0 gry to dark gry Silty Sand w/ gravel (SM) mps= 0.9", occasional to frequent pieces of clay, ash, brick & fragment particles and specks, frequency increases w/ depth, NO odor, wet at 8.0' - FILL -										
2																	
4			4.0 4.0														
	Dump pen	G2 R=29															
6																	
8	Dump pen	G3 R=24	8.0 8.0				WET at 8.0'										
9			9				BOEC 10.0'										
10			10														

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 9.0
Rock Cored (Linear ft.) –
Number of Samples G3

BORING NO. L10

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. L-15A

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / Bmo
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/23/15
DRILLER		DATE FINISHED	1/23/15

Elevation 19.9 est ft. Datum Plan Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2"	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0			0.0		0.3		0.3' Bitumen Concrete										
	Dust Pen	G1 Rec 42"				SM	Brn to gy brn Silty Sand w/ gravel (SM) MPF 0.9" No Structure no odor moist to wet at 3.0' topsoil roots, cin fragments particles and soils —FILL—	5	15	10	10	35	25	—			
2					3.0 3.3		CAP										
							3.3 – Black and red speckled SILTY SAND (SM) M/F 0.6" no Structure no odor, moist 30% brick in fragment particles and soils —FILL—										
4	Dust Pen	G2 Rec 40"	4.0 4.0			SM		5	10	10	20	30	25	—			
6																	
8			8.0				BTC @ 8.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0'; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. L15A

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M9

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/3/15
DRILLER	R. EASTWOOD	DATE FINISHED	3/3/15

Elevation 19.6 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	350	300	
Hammer Fall (in.)	24	24	

Rig Make & Model: Mobile B-57
☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — Hydraulic

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0.4' Bituminous Concrete 0.4-0.9' Dense gravel Sub-base										
1	10 27 54	S1 R=18"	1.0		2.0	SM	S1: Very dense, gray Silty Sand w/gravel (SM) mpt: 3", No Struct no od, moist, 10-15% brick, ash, cinder intermixed particle and specks										
							Bituminous Concrete 2.0-2.5'										
3	34 13 32 40	S2 R=15"	3.0		4.6	SM	S2: Very dense black silty Sand w/gravel (SM) mpt=3.0", layering bituminous concrete from 4.6-4.9' No odor, moist - Fill - Probable TSCA CAP										
5	50/5		4.9		5.9		Probable TSCA CAP 4.6-5.9'										
7	23 27 17 20	S3 R=	6.0			SM	S3: Dense, dark gray to brown silty Sand w/gravel (SM) mpt=2", No Structure no od, wet, 10% ash - Fill										
			8.0														
9	18 37	S4 R=12"	8.0 9.0			SM	S4 8.0-9.0' Very dense, gray silty Sand (SM) mpt=1.0" No structure no od, moist 10-15% coal, coal, wood in fragments particle and specks - Fill										
11																	

Hold
Cap-7
Cap-3
PCB 3.-5.
PCB 5-7 Hold
7.=9.FS Hold PCB 7-9.0 Hold

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.0'; Rock Cored (Linear ft.) —; Number of Samples 54

BORING NO. M9

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M 10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/3/11
DRILLER	R. Castwood	DATE FINISHED	3/3/11

Elevation 19.0 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	3	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	300	300	
Hammer Fall (in.)	27	27	

Rig Make & Model: Mobile B-57

☒ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☒ Roller Bit
☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — Hollow Stem

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							0.4' Bituminous Concrete 0.4-0.8' Gravel Sub-base										
	10	S1	1.0			SC	S1: Dense, dark gray Clayey SAND (SC) w/ gravel mps= 2" No structure no odor, moist — Cohesive fill										
2	24	R=15"															
	17																
	16		3.0				S2: Medium dense, gray Clayey SAND w/ gravel (SC) mps= 3", No structure no odor, moist, 3" play of bituminous concrete in tip - probable TSCA Cap										
	4		3.0														
4	1	S2															
	6				4.0												
	10	R=10"					Probable TSCA CAP										
	14		5.0														
		S3	5.0		6.4												
6							S3: Medium dense, dark brown Silty SAND w/ gravel (SM) mps= 0.8", No structure no odor wet 80-90% Slag, ash in fragments particle and space — ASH FILL										
	12	S3	6.5			SM											
	9	R=15"															
	11																
8	9		8.5														
	9	S4	8.1			SM	S4: Medium dense, black Silty SAND (SM) mps= 0.5", No structure no odor, wet 10-15% Ash in particle and space 10% Wood in fragments — FILL										
	8																
	8	R=20"															
10	12		11.0														
	12						BOEC 11.0'										
12																	

Gravel: % Coarse, % Fine. Sand: % Coarse, % Medium, % Fine. % Fines. Field Test: Dilatancy, Toughness, Plasticity, Strength.

PS
Cap - 7.0'
PCB
COP - 3.0

3-8 pcb

5-7 pcb

7-9 pcb

9-11 pcb HW

10.6 cv
PID

6.5-8.5
ND

8.5-11.0
1.3

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 11.0; Rock Cored (Linear ft.) —; Number of Samples 54

BORING NO. M10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. M12

Page 1 of

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/23/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation 19.3 ft.	Datum		Boring Location SEE PLAN				
Item	Casing	Sampler	Core Barrel	Rig Make & Model 6620 DT	Hammer Type	Drilling Mud	Casing Advance
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth
Inside Diameter (in.)		2 1/4		☐ ATV ☑ Geoprobe ☐ Winch	☐ Doughnut	☐ Polymer	
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	☑ Automatic	☒ None	GP
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	Drilling Notes:		

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0-3" asphalt										
	G1/ 40"						0.2-1.0 light olive gray SP w/ gravel										
Pick 0-4							1-2										
2							Brown SP w/ gravel 10% brick										
Pick					3.0												
					3.2		TSCA cap dense gravel										
4			3.3	3.3													
4-7.3	G2/ 38"		5.3	to			3.2-7.3										
			5.3	7.3			Black cinders silty SAND										
6			7.3														
							BOTTOM OF EXPLORATION at 7.3'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	7.3'
Rock Cored (Linear ft.)	
Number of Samples	
BORING NO.	M12

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M14

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/23/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation 19.5 ft. Datum

Item	Casing	Sampler	Core Barrel
Type		D	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		✓	
Hammer Fall (in.)		✓	

Boring Location SEE PLAN

Rig Make & Model Geo Probe DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.) (PCB)	Well Diagram (FS)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							0-4" asphalt										
	Push 0-4	G1 38					0.2.										
2				2.0			1.9-2.9 Please grade TSCA cap										
				S1													
							2.9-7.5										
VOC 4.0 4							Brown Silt w/ gravel 30% brick. trace ash										
	Push 4-8	G2 36	5.5 1 S2														
6																	
Duplicate			7.5	7.5			granite pieces 7.5										
Z1-S1 5.5-7.5 8			7.5														
Z1-S2 7.5-11.5			S3				7.5-9.5 Dark gray organic mixed with granulic fill.										
			9.5														
							BOTTOM OF EXPLORATION AT 9.5'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram
O	Open End Rod	Riser Pipe
T	Thin Wall Tube	Screen
U	Undisturbed Sample	Filter Sand
S	Split Spoon Sample	Cuttings
G	Geoprobe	Grout
		Concrete
		Bentonite Seal

Summary	
Overburden (Linear ft.)	9.5'
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	M14

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. M18

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/15
DRILLER	Taylor Crum	DATE FINISHED	

Elevation 19.2 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2.5N	
Hammer Weight (lb.)		=	
Hammer Fall (in.)			

Rig Make & Model: 66 10 SR

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.) (PCB)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.5		0-6" asphalt										
	Push 0-3.2																
							Dark brown to dark red brown poorly-graded sand, mostly coarse wet 2 up to 50% brick. - Fill -										
	Push 3.2-5.2		3.2 5.2														
							Bottom of Ex										
							1 PCB only										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	5.2'
Rock Cored (Linear ft.)	=
Number of Samples	1
BORING NO.	M18

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. N8

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAW~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/3/10
DRILLER	Damien Jacobs	DATE FINISHED	2/3/10

Elevation 18.3 est. ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 GP

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust pen	G1 R=48"	0.0	VOC @25'		SM	0.0 – 0.4' Bituminous Concrete (TSCA CAP?) 0.4 – 4.6' Gray to olive gray banded silty SAND w/ gravel (SM) mps= 2" occasional layers of sandy lean clay up to 4" thick pockets of ash, coal in fragments particles and specks – FILL –										
2																	
4	Dust pen	G2 R=38"	4.0	VOC @6.0'	4.6		4.6 – 8.0' black silty Sand w/ gravel (SM) mps= 1.5" pockets of ash, cinders and slag, NO odors moist, 15% ash, cinders bulk slag in fragments particles and specks – FILL –										
6																	
8			8.0				BOEC 8.0'										

10.6 ppm
P.D
0-4'
0.6 ppm

4-8
ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.) —; Number of Samples 61

BORING NO. N8

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. N10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	4/23/15
DRILLER		DATE FINISHED	

Elevation ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2.5 in	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: Geoprobe

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.) (PID)	Well Diagram (FS)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0-3" asphalt										
Post 0-4			0-2.5				3"-1.0 light olive gray SP w/ gravel										
2			2.5-4.5	0-4 above			1.0-4.0 gray clayey SAND										
Post 4-8			4.5-6.5				4-5 possible cap material										
4				5-6.5 below			5-7 olive SP w/ brick										
Post 8-9			6.5-8.5														
6							7-9 Black cinders silty SAND										
8																	
Post 8-9							wet at 8.5'										
							Bottom of EXP at 9.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	9.0
Rock Cored (Linear ft.)	
Number of Samples	6
BORING NO.	N10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. N16

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~SCHAY~~ / J. Bode
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/2015
DRILLER	Damian Jacobs	DATE FINISHED	

Elevation 19.3 est ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	F	G	–
Inside Diameter (in.)	–	1.5	–
Hammer Weight (lb.)	–	–	
Hammer Fall (in.)	–	–	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: G | D | 10

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	~~Sample Depth~~ (ft.) PID	~~Well Diagram~~ FID	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0		0.0			0.3		– ASPHALT –										
						SM	G1: Gray brown silty SAND with gravel (SM), 20% concrete fragments, 20% ash & cinder particles/specks present in occasional 2"-4" layers, – FILL – mps-2.0", nostructure, no odor, dry										
2		G1 48"															
			3.3														
4		4.0 4.0	Sd	3.4		SM	G2: Brown to dark brown silty sand (SM) 20% ash & cinder particles, 10% concrete particles, 10% glass fragments, 10% wood fragments, mps 2.0", no structure, no odor, dry to moist.										
		G2 36"	5.3 S3 5.3	S1													
6																	
			7.3 S4 7.3	7.3			– FILL –										
8		8.0 8.0			9.3		G3 - Top 0.7' - Similar to above										
		G3 18"	9.3				G3 - Bottom, Gray sandy lean CLAY (CL), appears disturbed, mps - 1.0", nostructure, no odor, moist – HYDRAULIC FILL –										
10		10.0															
12							BOE 10'										

UDC from 5.5'

Layer that may be cap material from 2.8' to 3.3'

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 10.0
Rock Cored (Linear ft.) 0.0
Number of Samples 63

BORING NO. N16

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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N/A [illegible]

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GEOPROBE REPORT

BORING NO. 09

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. CHAY~~ / DMS
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/2/15
DRILLER	R. EASTWOOD	DATE FINISHED	3/2/15

Elevation 18.0 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	300	300	
Hammer Fall (in.)	27	27	

Rig Make & Model: Mobile B-53

☒ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — Hollow Drive 6.0'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							0.4' Bituminous Concrete pavement										
	10	S1	0.5			SM	S1: Medium dense, gray Silty SAND w/ gravel (SM) mpl= 3", no odor, moist. 20% concrete brick in fragment particles and specks — FILL —										
	10	R=15"															
	12		2.0														
2	30	NR	2.0				adhere to clean sheetstock but, cont										
	100/5"		2.9														
4	15	S2	4.0			SM	S2: Medium dense, gray wood assortment tan bands Silty SAND w/ gravel (SM) mpl= 2", no odor, 35-40% ash, slag in fragments particles and specks — ASH FILL —										
	7																
	8	R=19"															
	8		6.0														
6	7	S3	6.0														
	6					SM	S3: Medium dense, dark gray Silty SAND w/ gravel (SM) mpl= 2", no odor, moist, 10% ash, slag in particles and specks — FILL —										
	7	R=20"															
	6		8.0														
8							BRC 8.0'										
10																	

PS
Exp-6.0
PCB
0-2
2.0-4.0
4.0 6.0
FS
6.0 8.0
PCB
6.0 8.0
10-6.0 PS
0.5-2' NS
4-6' 0.5
6-8' NS

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.) —; Number of Samples 53

BORING NO. 09

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 010

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	03/07/15
DRILLER	R. EASTMAN	DATE FINISHED	03/02/15

Elevation 18.5 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	
Inside Diameter (in.)	4	3	
Hammer Weight (lb.)	340	300	
Hammer Fall (in.)	24	27	

Rig Make & Model: Mobile B-57

☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: HW-Dri-8.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength
0							0.4 Bituminous Concrete Pavement										
	22	S1	0.5			Sm	S1 0.5-1.5' Very dark gray Silty Sand w/gravel (Sm) MPS 0.75". No Staining, odor, sheen —Fill										
	24	R-20			1.5'												
	9		2.0			Sm	1.5-4.0' Dense, dark gray Silty Sand w/gravel (Sm) MPS 2" No Staining No odor, sheen, 10% brick pieces, concrete fragments particles and chips —Fill										
2	16	S2	2.0	Vol @3.0'													
	12	R-15															
	16																
4	19		4.0		4.0		4.0 Concrete and brick 4-6'										
6	20	S3	6.0		6.0		6.0 S3: Dense, gray Silty Sand w/gravel (Sm) MPS 2.0", no staining, no odor, sheen —Fill										
	20	R-16'				Sm											
	26																
8	6		8.0														
	9	S4	8.0			SW-Sm	S4: Loose, gray Well graded Sand w/silt and gravel (SW-Sm) MPS 1.0", no staining, no odor, sheen —Fill										
	7	R-8"															
	7																
	3																
10	3		10.5														
							Bottom @ 10.5'										

Field Test: 10 low PID; 0.5-2.0 ND; 2-4' ND; 6-8' ND; 8-10' ND

FS Cap. 6.5; PCB Cap. 2.5, 2.5-4.5, 4.5-6.5; PCB 6.5-8.5, 8.5-10.5'

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.5; Rock Cored (Linear ft.); Number of Samples 6; BORING NO. 010

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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FS Cap - 6.5 PCB Cap - 2.5 4.5 - 6.5 6.5 - 8.5

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GEOPROBE REPORT

BORING NO. 015a

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY / DMD
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/23/15
DRILLER	T. Grant	DATE FINISHED	1/23/15

Elevation 18.8 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: CME 850 PT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
18.8																	
0	Dut pun				0.4		0.4' Bituminous Concrete										
17.8'					0.5		0.4-1.5' Light brown Silty SAND w/ gravel (mm) angular, moderate to wet — FILL —		15	20	25	20					
					1.5		1.5 — Cap										
16.8																	
2					2.5		Punch thy of TSCA Cap										
					3.0												
14.8							3.0 - 8.0' Gray to dark gray silty SAND w/ gravel (mm) angular 2.0" occasional pieces of ash, No odor, moist 10-20% ash, coarse, brick w/ fragment particle and specs — FILL —										
4	Dut pun			VOC @4.0													
12.8																	
6																	
10.8																	
8																	
							BEC 8.8'										
8.8																	

10 cm PID

0-4 ND

4-8.8 ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.8; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. 015a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 016

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / J. Bale
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/2015
DRILLER	Damian Jacobs	DATE FINISHED	1/22/2015

Elevation	ft.	Datum	
Boring Location	SEE PLAN		

Item	Casing	Sampler	Core Barrel
Type	—	G	
Inside Diameter (in.)	—	1.5	
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model: 6600 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth: G 1D19

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.) PCB	Well Diagram FS	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0		0.0	0.3		0.3		- ASPHALT -										
			S2 1 1			SM	Gray brown to dark brown silty SAND (SM), frequent clay pockets, occasional 2"-4" layers of ash & cinders, no structure, no odor, dry.										
2		G1 4.0"	S3 1 1 3 3	0.1 S1													
		4.0 4.0	S4	7			- FILL -										
4		G2	5 5		5.7		G2 - 4'-5.7' Similar to above										
6			S5 7				G2 - 5.7'-8' Dark brown to black sandy ORGANIC SOIL (OL/OH) occasional ash & cinder particles, no structure, slight organic odor, moist - HYDRAULIC FILL -										
		8.0 8.0 G3-4" 9.0	S6 7 1 9				G3: Similar to above										
8							BOE 9.0'										
10																	
12																	

VOA 4.0'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.0; Rock Cored (Linear ft.) 0.0; Number of Samples 63; BORING NO. 016

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. P11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. Stacey~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/4/15
DRILLER	Glen Peterson	DATE FINISHED	3/4/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	H	S	—
Inside Diameter (in.)	4	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: [X] Truck [ ] ATV [ ] Track [ ] Skid; [ ] Tripod [ ] Geoprobe [ ] Air Track; [ ] Cat-Head [X] Winch [X] Roller Bit [ ] Cutting Head

Hammer Type: [ ] Safety [ ] Doughnut [X] Automatic

Drilling Mud: [ ] Bentonite [ ] Polymer [X] None

Casing Advance: Type Method Depth HW Driven 4.5

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0					0.2		— Black Bituminous ASPHALT —										
	38 53 55	S1 13	0.5 – 2			SM	Very dense, black, Silty SAND with gravel (SM), mps 0.3", no structure, no odor, moist, trace slag, trace glass, trace brick										
2	80 104 112 100/3	S2 14	2 – 3.75			SM	S2: Very dense, black, Silty SAND with gravel (SM), mps 0.4", no structure, no odor, moist, trace brick, glass. Asphalt and rubble lodged in spoon tip and bottom 8" of sample.										
4	100/4	no recovery	4 – 4.2		3.75												
	26 21 15 14	S3 11	4.5 – 6.5		4.5		Potential TSCA Cap										
6	6 2 2	S4 6	6.5 – 8			SM	S3: Dense, black, Silty SAND (SM) trace gravel, mps 0.4", no structure, no odor, moist, trace ash and cinders, brick, glass and slag. S4: Similar to above except loose and trace pockets of poorly graded SAND										
8							BOE 8.0'										

VOCs at 5.0

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.) —; Number of Samples 54; BORING NO. P11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Q5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/2/10
DRILLER	D. Jason	DATE FINISHED	2/5/10

Elevation 164 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: GH2060P

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Direct push	G1 R-4 1/2"	0.0		VOC @3.0		0.0-0.4' probable TSCA CAP / Bituminous Concrete Pavement										
2			4.0			SM	0.4-8.0' Dark Gray with occasional light brown and gray bands Silty Sand w/ gravel (SM) mpx 2.0" frequent pockets of ash, cinders brick, charcoal in fragmentary particle and spots, No odor, wet at 6.0'										
4	Direct push	G2 R-31	4.0		VOC @5.0'		— FILL —										
6																	
8			8.0				BREC 8.0'										

10.0 GW
0-4' ND
4-8' ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0'; Rock Cored (Linear ft.); Number of Samples 27

BORING NO. Q5

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. Q7

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / Dmp
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/3/14
DRILLER	D. Jones	DATE FINISHED	2/3/14

Elevation 16.9 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6610 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	Dmp pen	G1 R=34"	0.0	Vac 2.5'	Vac	SM	Q0-0.7' Concr / bitumen Concrete Probable TSCA Cap 0.7-4.6' Black with occasional light brn a olive band Silty Sand w/ gravel (SM) mpr 0.9" occasional pockets of ash. No odor, moist 15% Ash, black carbon in fragments particles and specs -FU-										
2																	
4	Dmp pen		4.0		4.6												
		G2 R=32"				SM	4.6-8.0' tan to light brn Silty Sand w/ gravel (SM) mpr 2.0", No Stain no odor, moist -FU-										
6																	
8			8.0				BREC 8.0										

10 BCU PID

0-4' ND

4-8' ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0'; Rock Cored (Linear ft.) —; Number of Samples G2

BORING NO. Q7

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Q11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAW~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/7/15
DRILLER		DATE FINISHED	

Elevation 17.7 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=48	0		0 / 0.2		Asphalt										
2							Grey to black, silty SAND (SM), mps 0.3", no structure, no odor, moist, trace brick, 25-35% ash and cinders, trace glass										
4	Direct Push	G2 R=35	4				FILL										
6					6.2		Grey, poorly graded SAND (SP), mps 0.2", no structure, no odor, wet										
8			8				BOE 8.0										

VOC 3.5'

PID ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples 62

BORING NO.

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Q12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S SHAW~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/2/15
DRILLER	Glen Peterson	DATE FINISHED	3/2/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	P	S	—
Inside Diameter (in.)	5	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: [X] Truck [ ] ATV [ ] Track [ ] Skid; [ ] Tripod [ ] Geoprobe [ ] Air Track; [ ] Cat-Head [X] Winch [X] Roller Bit [X] Cutting Head

Hammer Type: [ ] Safety [ ] Doughnut [X] Automatic

Drilling Mud: [ ] Bentonite [ ] Polymer [X] None

Casing Advance: Type Method Depth PW Driven 4.0

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test	PID
0																			
	100/3"	51 3	1 1.25			SM	very dense, black to dark grey silty SAND (SM). 80% concrete, brick, asphalt and rubble/gravel												2-4
2	51 32 21 22	52 19	2 4			SM	Very dense, black, silty SAND (SM) trace gravel, mps 0.5", no structure, no odor, moist, trace metal slag, brick, coal, scrap metal												0.2
4	20 26 22 18	53 16	4 6			SM	Medium dense, tan, silty SAND (SM), mps 0.1", no structure, no odor, moist												4-6 ND
							— FILL —												
6	23 20 11 4	54 0	6 8			SP	Medium dense, tan to grey, Poorly graded SAND with gravel (SP), mps 3", no structure, no odor, wet												6-8 ND
8							NOTE: on first attempt at a 3" spoon from 6-8' a cobble was lodged in the tip, second attempt just pushed spoon for R=7"												
							BOE 8.0'												

VOCs at 3.0

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) ____ Rock Cored (Linear ft.) ____ Number of Samples ____

BORING NO. Q12

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. Q16

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / J. Bob
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/2015
DRILLER	Damian Jacobs	DATE FINISHED	1/22/2015

Elevation 18.0 est ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	–	G	
Inside Diameter (in.)	–	1.5	
Hammer Weight (lb.)	–	–	
Hammer Fall (in.)	–	–	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type G, Method D, Depth 8'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0					0.3		Note: ASPHALT										
							Note: Refusal at 2.0 ft. Move 3.0' toward convention center. 5 attempts. Refusals at approximately 2.0 ft. at each location. See back of log.										
2																	
4																	
6																	
8																	
10																	
12																	

Refusal between 1.5' - 2' 11/6

See back

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 2.5; Rock Cored (Linear ft.); Number of Samples

BORING NO. Q16

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Q16

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.SHAY~~ / DMP
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/26/15
DRILLER	R. Eastwood	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		3	
Hammer Weight (lb.)		300	
Hammer Fall (in.)		24	

Rig Make & Model: note 0-5'?

☒ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☒ Roller Bit
☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☒ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: HW-Dri

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
							0.3' Bituminous Concrete											10.6CO PID
0	50 60/4"	S1 R=8"	0.5 1.4	VOC @1.4'		SM	S1: Dry, gray Silty SAND w/gravel (SM) mpr=1.0", No Stain no odor, moist -Fill- Obstruction 1.4' - 3.0'											0.5-1.4 ND
2																		
4	12 31 21 19	S2 R=18"	3.0 5.0			SM	S2: - Dry gray Silty SAND w/gravel (SM) mpr 3.0", No Stain no odor moist. 10-15% concrete, granite glass, ash in fragments particle and specs -Fill-											3-5 0.8
6	16 4 2 2	S3 R=19"	5.0 7.0			SM	S3: Loose gray Silty SAND w/gravel (SM) mpr 2.0", No Stain no odor wet. 10-15% Ash Concrete in fragments particle and specs											5-7 ND
8	3 1 2	S4 R=12"	7.0 8.5		7.0		S4: Soft gray organic Silt (OL/OH) wet Sand, mpr 0.8", No Stain No odor moist -Fill- BOEC 8.5'											7-8.5 1.0
10																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 8.5
Rock Cored (Linear ft.) -
Number of Samples 34

BORING NO. Q16

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R9

Page 1 of

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ A Flemming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/2/15
DRILLER	Taylor Gienet	DATE FINISHED	

Elevation 17.2 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 3/4	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☒ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	Direct push	G1 R=34	0		0												
					0.4		Asphalt										
							Grey to black, silty SAND (SM), mps 0.4, no structure, no odor, moist, 15% ash and cinders										
2																	
			4														
4	Direct push	G2 R=24	4				FILL										
6							NOTE: Soil saturated at 7.0'										
			8														
8							BOE 8.0										

PID

0-4 ND

VOC 1.0

4-8 ND

VOC 6.9

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples G2

BORING NO.

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R10

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~[illegible]~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/2/15
DRILLER	Glen Petersen	DATE FINISHED	3/2/15

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	P	S	—
Inside Diameter (in.)	5	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance Type Method Depth: PW Driven 4

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0																		
	39 52	S1 11	1 2				Very dense, Black to dark grey, silty SAND with gravel (SM), mps 0.4", no structure, no odor, moist, trace coal, slag											1-2 ND
2	40 17 18 23	S2 21	2 4				S2: Similar to above except dense											2-4 0.2
							FILL											
4	15 13 15 16	S3 17	4 6				Medium dense, dark tan to brown, poorly graded SAND (SP), trace gravel, mps 0.4", no structure, no odor, moist											4-6 0.2
6	11 6 3 4	S4 10	6 8		6.5	CL	Medium stiff, Grey to olive brown, Lean CLAY (CL), mps 0.1", plastic, no odor, wet											6-8 ND
8							BOE 8.0'											

VOCs at 3.0'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.); Rock Cored (Linear ft.); Number of Samples

BORING NO. R10

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R119

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAW~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	2/12/15

Elevation 17.3 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☒ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Direct Push	G1 R=40"	0				0.0 - 0.3' Bituminous Concrete											10.6W PID
						SM	0.3 - 5.0' gry wrd dark gry bands silty SAND w/gravel (SM) mpr. 2", no odor, moist to wet @ 5.0'											0-4 ND
2																		
4	Direct Push	G2 R=42"	4	Vac @ 4.2														4-8 1.1
					5.0													
6							5.0 - 12.0' gry/lean CLAY w/ sand (CL) mpr. 0.8", occasional pockets of sand, no odor, moist											
8	Direct push	G3	8				— Cohesive fill — 8.0											
		R=41"	5.0															
10																		
12			12.0				Refusal @ 12.0'											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples 62

BORING NO.

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R17

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / J. Birk
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/2015
DRILLER	Damian Jacobs	DATE FINISHED	1/22/2015

Elevation	ft.	Datum		Boring Location	SEE PLAN 6600 DT
Item	Casing	Sampler	Core Barrel	Rig Make & Model	
Type		G		☐ Truck ☐ Tripod ☐ Cat-Head	
Inside Diameter (in.)		1.5		☐ ATV ☒ Geoprobe ☒ Winch	
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	
Hammer Fall (in.)				☐ Skid ☐ ☐ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	6 D 8
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.) PID	Well Diagram FS	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.5		ASPHALT										
1		1.0			1.0		GRAVEL BASE LAYER										
2		G1 33"	S2 2 2	1		SM	Gray-brown-black silty SAND (SM), trace ash, cinders, 10% gravel, trace brick, no staining, no odor, dry										
3			S3 2 4 4	S1													
4		5.0	S4 1														
5		5.0 G2 3.6"	6	6		SM	G2: 5'-6.3' Similar to above except wet at 5.8'.										
6			6 S5 1		6.3'												
7			8			OL/OH	Gray ORGANIC SOIL (OL/OH) trace shell fragments, trace peat fibers - PROBABLE HYDRAULIC FILL										
8		8.0															
9							BOE 8.0										

VOA 1 3.8

← Not on Hydraulic Fill

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	8.0
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	0.0
U	Undisturbed Sample	Filter Sand	Number of Samples	G2
S	Split Spoon Sample	Cuttings	BORING NO.	R17
G	Geoprobe	Grout		
		Concrete		
		Bentonite Seal		

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R18

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/15
DRILLER	D. Jacob	DATE FINISHED	

Elevation 18 +/- ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — GP

Drilling Notes: 3rd try

Depth (ft.)	Sampler Blows per 6 in.	Sample Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0				0.5	0.5		6" asphalt										
Push 0-4	/R=38	38	0.5 – 2	to	1.5		Light gray brown poorly-graded sand w/ gravel										
2							1.5 – 3 Dark brown silty sand trace brick.										
			2 – 4										WL 4.0'				
							3-3.5 gravel layer										
4							3.5 – 4.5 Dark brown coarse sandy fill. trace brick										
Push 4-8	R=12	42	4-6	6			4.5 – 8. Gray hydraulic fill										
			6-8				Note: 7-8 Hyd. fill mixed w/ crushed brick										

Refusal at 1' and 1.5 in two locations

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.) –; Number of Samples 62; BORING NO. R18

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. 59

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~SUMMARY~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	3/3/15
DRILLER	Glen Peterson	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	4/4	S	—
Inside Diameter (in.)	4	3	—
Hammer Weight (lb.)	140	140	
Hammer Fall (in.)	30	30	

Rig Make & Model: ☒ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☐ Geoprobe ☐ Air Track ☐ Cat-Head ☒ Winch ☒ Roller Bit ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth HW Driven

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
					0		ASPHALT										
0	28 34 100/5"	S1 11	0.5		0.2	SM	Very dense, black, Silty SAND (SM), trace gravel, mps 0.3", no structure, no odor, moist, 10% slag, trace ash and cinders. NOTE: Got Roller bit refusal at 1.5' on first attempt, moved 3' + 60° NE and hit similar obstruction from 1.5 to 2.5'.										
2	29 20 14 8	S2 9	2.5			SM	S2: Dense, dark grey to black silty SAND (SM) trace gravel, mps 0.4", no structure, no odor, moist, 15% Lean CLAY, trace slag, glass, scrap metal										
4	7 5 4 4	S3 4	4.5			CL	S3: Medium stiff, grey to olive brown, Lean CLAY (CL), mps 0.2", plastic, no odor, wet, 25% black silty sand, trace gravel										
6	2 2	S4 11	6.5			CL	S4: Soft, grey to olive brown, Lean CLAY (CL), mps 0.3", plastic, no odor, wet, trace gravel										
			7.5														
8							BOE 7.5										

Obstruction 1.5-2.5

VOCs at 3.4'

VOCs at 6.0'

PID

Cohesive fill

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.); Rock Cored (Linear ft.); Number of Samples

BORING NO. 59

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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Taylor Greiner

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. 512

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / A Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/2/15
DRILLER	Taylor Greiner	DATE FINISHED	

Elevation 17.3 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 9/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Direct Push	G1 R=31	0		0 / 0.3		Asphalt											0-4 ND
2							Grey to black, silty SAND (SM), mps 0.4", no structure, no odor, dry to moist, trace brick, trace coal, trace ash — FILL —											
4	Direct Push	G2 R=39	4		4.3		Black, silty SAND (SM), mps 0.3", no structure, no odor, moist, saturated at 6.5', 65-75% ash and cinders, trace coal — ASH FILL —											4-8 ND
6					7.5		Grey to olive brown Lean CLAY trace sand and gravel, mps 0.2", no structure, no odor, moist — COHESIVE FILL —											
8			8				BOE 8.0'											

VOC at 3.0

PID

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples G2; BORING NO. 512

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. S15a

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/2/15
DRILLER	Taylor Gieler	DATE FINISHED	2/2/15

Elevation 17.3 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 1/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes: PID

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Direct Push	G1 R=32	0		0 / 0.3		Asphalt											0-4
							Grey to black silty SAND (SM), mps 0.3", no structure, no odor, moist, 10% ash and cinders, trace coal											ND
2							FILL											
VOCs at 4.0'																		
4	Direct Push	G2 R=28	4		5.5		Black 100% ash and cinders											4-8
							ASH FILL											ND
6					6.0		Black to olive brown, Lean CLAY (CL), mps 0.1", no structure, no odor, wet, trace gravel											
8			8				COHESIVE FILL											
							BOE 8.0											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	8.0
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	S15a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. T11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S SHAY~~, A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/2/15
DRILLER	Taylor Geiner	DATE FINISHED	

Elevation 16.5 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 9/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Direct Push	G1 R=25	0		0 / 0.5		Asphalt											0-4 ND
							Grey to black, silty SAND (SM), mps 0.2", no structure, no odor, moist, trace ash and cinders, trace gravel											
							FILL											
2																		
4	Direct Push	G2 R=40	4															4-8 ND
					5.0													
							Grey to olive brown, Lean CLAY trace sand and gravel (CL), mps 0.2", no structure, no odor, moist											
							COHESIVE FILL											
6																		
8			8				BOE 8.0											

VOC at 2.5'

PID

630-230

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.); Number of Samples G2

BORING NO. T11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. T17

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SEEM~~ / K. Hepple
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/15
DRILLER	Damian Jacobs	DATE FINISHED	1/22/15

Elevation	ft.	Datum		Boring Location	SEE PLAN						
Item	Casing	Sampler	Core Barrel	Rig Make & Model	GEOPROBE			Hammer Type	Drilling Mud	Casing Advance	
Type				☐ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite	Type Method Depth	
Inside Diameter (in.)				☐ ATV	☒ Geoprobe	☐ Winch		☐ Doughnut	☐ Polymer	—	
Hammer Weight (lb.)				☐ Track	☐ Air Track	☐ Roller Bit		☒ Automatic	☒ None		
Hammer Fall (in.)				☐ Skid		☒ Cutting Head		Drilling Notes:			

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	~~Sample Depth (ft.)~~ PEB	~~Well Diagram~~ FS	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0		GP1 0-0.25	0.25				Asphalt 0-0.25'										
		0.25-1.3	PEB 1.3														
1		1.3	1.3	1.3													
2		GP2	PEB 2.3														
3			3.3	FS SL			2 in piece of yellow foam insulation 2.5-3.0 consisted of 2-3 mm round plastic balls										
4			PEB 5.3														
5		5.3	5.3	5.3			GP3: First attempt no recovery. Move ~ ft., second attempt										
		GP3	PEB 5.3														
7		7.3	7.3														
8																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	7.3
Rock Cored (Linear ft.)	
Number of Samples	GP3
BORING NO.	T17

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. U18

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/22/15
DRILLER	Taylor Grenier	DATE FINISHED	

Elevation 7.1 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		-	
Hammer Fall (in.)		-	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☑ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — OP

Drilling Notes: 4" FLT

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PCB Sample Depth (ft.)	FS ~~Well Diagram~~ Interval	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	% Coarse Gravel	% Fine Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Fines	Dilatancy	Toughness	Plasticity	Strength
0																	
	Push	61			0.75		0-9" asphalt										
	0-1.1									VOC 2.0'							
			1.1	1.0			0.75 - light gray brown										
							poorly-graded SAND										
2	Push	62	3.1		2.0		with gravel 2.0										
	1.1-3.1																
							2.0 - ~~5.0~~ 4.5										
			3.1				Dark brown silty SAND with organic mix										
4	Push	63	3.1														
	3.1-7.1			5.1	4.5		4.5										
			5.1				~~4.0~~ -7.1 Olive gray										
							hydraulic fill										
			7.1				organic with shells										
6	Push	64															
	5.1-7.1																
							BOTTOM OF EXPLORATION AT 7.1'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 7.1; Rock Cored (Linear ft.) —; Number of Samples 62; BORING NO. U18

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. V 11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/24/15
DRILLER		DATE FINISHED	

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	
Type				☐ Truck ☐ Tripod ☐ Cat-Head	
Inside Diameter (in.)				☐ ATV ☐ Geoprobe ☐ Winch	
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	
Hammer Fall (in.)				☐ Skid ☐ ☐ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	
☐ Automatic	☐ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PID Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							0-0.2 asphalt										
	G1 33"		0-2	0 to 4			0.2-1 Light olive gray SP w/ gravel										
2			2-4				1-4 Dark brown to black poorly-graded SAND with up to 60% cinders SAND trace concrete										
4	G2 38"		4-6				4-6 Dark brown WET to black silty sand 15% ash/cinders with gravel trace metal, trace wood.										
6							BOTTOM OF EXPLORATION at 6.0'										

Park 0-4

Park 4-6

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	
Rock Cored (Linear ft.)	
Number of Samples	
BORING NO.	V 11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. V12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/29/15
DRILLER	T. Graham	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6 25/11	
Inside Diameter (in.)			
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: OP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0				none	0.2		0-.2 Asphalt										
			0-2		1.5		0.2-1.5 light olive gray SP w/gravel										
2					2.0		1.5-4 Black cinder SAND										
			2-4				2-4 Mild petroleum-like odor.										
4																	
			4-6				4-8 Dark olive gray clay fill mixed with organic soil including plant fibers										
6																	
8							BOTTOM OF EXPLORATION AT 8.0'										

Push 0-4

Push 4-8

Duplicate

Z4_S1 0-2
-S2 2-4
-S3 4-6

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	8
Rock Cored (Linear ft.)	
Number of Samples	62
BORING NO.	V12

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. V13a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	S.SHAY
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/24/15
DRILLER	Taylor	DATE FINISHED	

Elevation ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☐ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	PID Sample Depth (ft.)	FS Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.2		0-4" Asphalt										
Push 0-4			0.4 to 2.4	0	1.0		0.2 - 1.0 Light olive gray SP w/ gravel										
2							1-6'										
			2.4				Dark brown, to black poorly-graded SAND and sand-sized cinders, crushed brick.										
Push 4-8			4.4	4.4													
4			4.4														
			6.4		6.0												
6							6-8 Clay ~~Hydraulic~~ fill mixed w/ Organics										
VOC at 5.0'																	
8							BOE 8'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.); Rock Cored (Linear ft.); Number of Samples; BORING NO. V13a

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. V15A

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAY~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/7/16
DRILLER	Taylor Gitner	DATE FINISHED	2/7/16

Elevation 16.8 ft. Datum Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/16	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☒ Geoprobe ☒ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

PID

Non detect

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=28	0		0 / 0.2		Asphalt										
							Grey to black, silty SAND (SM), mps 0.3", no structure, no odor, moist, orange and white mottling,										
2																	
							— FILL —										
4	Direct Push	G2 R=30	4														
				5.7													
6							Black silty SAND with gravel (SM), mps 0.5", no structure, no odor, wet, 60-65% ash and cinders — ASH FILL —										
				7.0													
8	Direct Push	G3 R=27	8				Black to olive grey, lean CLAY trace gravel (CL), mps 0.4", no structure, no odor, wet										
10							— COHESIVE FILL —										
12			12				BOE 12.0										

VOC at 4.0

VOC at 7.5

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	V15A

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. V17

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S.HAY~~ / K. Alcpick
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	1/23/19
DRILLER	Damian Jacobs	DATE FINISHED	1/22/19

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	
Inside Diameter (in.)		2 5/8		☐ ATV ☒ Geoprobe ☐ Winch	
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	—
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0		GP1					Asphalt 0-1										
		1.					Drove 1' check for asphalt										
1		1	1	1													
		GP2	PCB R				Light brown to dark brown silty SAND (SM) mps 1.5in, no structure, no odor, dry to moist, trace ash, cinders, 2" coal piece, gravel,										
2																	
			3.	PS													
3			3														
			PCB H				Trace Hydraulic fill at 4.8'										
4																	
		5	5	5													
5		5	5				Olive gray CLAY (CL), mps 3mm, no structure, no odor, moist, trace sand, gravel, red staining, ash										
		GP3	PCB H				- Hydraulic Fill -										
6																	
		7	7														
7							BOE 7.0										
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.)	7
Rock Cored (Linear ft.)	—
Number of Samples	GP3
BORING NO.	V17

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. W11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHAFT~~
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation 16.2 ft. Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☒ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct push	G1 R=24	0		0.3		ASPHALT											0-4
							Black to grey, silty SAND (SM), trace gravel, mps 0.5", no structure, no odor, moist, 10-15% ash and cinders											ND
2																		
							— FILL —											
4	Direct push	G2 R=27	4		4.4		Grey to dark olive brown, Lean CLAY (CL), mps 0.1", no structure, no odor, moist, trace ash and cinders											4-8 ND
6							— COHESIVE FILL —											
8			8															
							BOE C 8.0'											
10																		
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.)	8.0
Rock Cored (Linear ft.)	
Number of Samples	67
BORING NO.	W11

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. W129

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. SHARP~~ /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation 16.6 ft.	Datum	Boring Location SEE PLAN			
Item	Casing	Sampler	Core Barrel	Rig Make & Model	
Type		G		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)		2 3/4		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth GP
Hammer Fall (in.)				☐ Skid ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct push	G1 R=30	0		0 0.3		ASPHALT Grey to black, silty SAND (SM), trace gravel, mps 0.4", no structure, no odor, moist, 15% pockets of poorly graded SAND with gravel, 5-10% ash and cinders — FILL											0-4 ND
2					3.0 3.4		TSCA cap olive brown to dark grey, silty SAND (SM), mps 0.3", no structure, no odor, moist — FILL											
4	Direct push	G2 R=26	4		4.8		olive brown to dark grey, Lean CLAY (CL), mps 0.3", no structure, no odor, moist, trace gravel — COHESIVE FILL —											4-8 ND
6																		
8			8				BOE 8.0											
10																		
12																		

VOCs at 4.2'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	8.0
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	—
U	Undisturbed Sample	Filter Sand	Number of Samples	G2
S	Split Spoon Sample	Cuttings	BORING NO.	W12a
G	Geoprobe	Grout		
		Concrete		
		Bentonite Seal		

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. W13a

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S. STAFF~~ /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	D Jacobs	DATE FINISHED	2/12/15

Elevation 16.8 ft. Datum

Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		2 5/8	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: ☐ Truck ☐ ATV ☐ Track ☐ Skid ☐ Tripod ☒ Geoprobe ☐ Air Track ☐ Cat-Head ☐ Winch ☐ Roller Bit ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=36	0				0.0 – 0.3 Bituminous Concrete										
						SM	0.3 – 4.6' Dark gray to black silty SAND (SM) mpx 1.5", No odor, no oily mist. 60-70% ash, coal, slag in fragments particles and specs – FILL –										
2																	
4	Direct Push	G2 R=48	4		4.6												
						CL	4.6-8.0' olive gray lean clay with sand (CL) mpx 0.5', trace ash, no odor, moist – Column full – – Bot @ 8.0										
6																	
8			8														
10																	
12																	

10.6 ppm PID

0-4 ND

4-8' 0.8

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.0; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. W13a

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. X12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~O.GRAY~~
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacob	DATE FINISHED	

Elevation 16.1 ft. Datum — Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2 1/2	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID
0	Direct Push	G1 R=24	0		0 / 0.3		ASPHALT Grey to orange brown, poorly graded SAND with silt (SP-SM), mps 0.4", no structure, no odor, moist, trace brick, trace ash and cinders, trace gravel											0-4 ND
2																		
			4				— FILL —											
4	Direct Push	G2 R=31	4		5.3		Grey to olive brown, Lean CLAY (CL), mps 0.2", no structure, no odor, moist, trace gravel.											4-8 ND
6							— COHESIVE FILL —											
			8															
8							BOE 8.0											
10																		
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8; Rock Cored (Linear ft.); Number of Samples 62

BORING NO. X12

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. X13

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-562
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~S SHAY~~ /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	2/12/15
DRILLER	Damien Jacobs	DATE FINISHED	2/12/15

Elevation 16.3 ft.	Datum	Boring Location SEE PLAN			
Item	Casing	Sampler	Core Barrel	Rig Make & Model 16620	
Type		G		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)		2 5/16		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth GP
Hammer Fall (in.)				☐ Skid ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Direct Push	G1 R=23"	0				0.0-0.4 Bituminous Concrete										
							0.4-1.5' Gry Silty Sand w/ gravel (sm) mpr=1.2", no structure, moist, more -Fill										
					1.5												
2							1.5-5.5' Black Silty Sand (sm) mpr 1" no structure, odor, wet at 5.0' 10-20% Ash -Fill										
4	Direct Push	G2 R=35"	4														
					5.5												
6						CL	5.5-8.0' Gry to olive gry lean CLAY (CL) mpr 0.5", occasional pockets of ash, no odor, moist -Cohesive fill-										
8			8				BCEC 8.0'										
10																	
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	8.0
Rock Cored (Linear ft.)	
Number of Samples	G2
BORING NO.	X13

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

BORING NO. A11A

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/11
DRILLER	T. Ocumu	DATE FINISHED	11/30/11

Elevation ft. | Datum | Boring Location: SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☑ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dmt push	G1 R=48"	0.0		1.0		0.0-1.0' Bituminous concrete											10.6 PI
2							1.0-4.0' olive gray to gray silty SAND w/ gravel (SM) MPS: 0.5"; No stain no odor moist 10% brick, concrete, ash in fragments particles and spuds starting at 4.0' — FILL — VOC @ 4.0'	15	15	15	35	20					0-4 NI
4	Dmt push	G2 R=39"	4.2		4.0		4.0- Black silty SAND w/ gravel (SM) MPS: 1.0"; No stain no odor moist 100% ash, cinder, slag, coal in fragments particles and spuds — ASH FILL —	5	15	15	20	25	20				4.2 ↓ 8.2 0.3
8	Dmt push	G3 R=24"	8.2			Sn	8.2-10.2' Dark gray to gray silty SAND w/ gravel (SM) MPS: 1.5"; No stain no odor wet 100% ash, cinder, slag, coal, wood in fragments particles and spuds — ASH FILL — BOE @ 10.2'	10	10	15	20	25	20				8.2 ↓ 10.2 NI
10			10.2															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (Linear ft.)	10.2
Rock Cored (Linear ft.)	—
Number of Samples	G3
BORING NO.	A11A

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. A20

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	T. Ground	DATE FINISHED	11/30/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 T

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength	
0	Direct push	61 R=24"	0.0 – 3.0		0.8	SM	0.8' Bituminous Concrete 0.8 – 3.0 dark gry to olive gry Silty SAND w/ gravel (SM) mpx 1.5" No Sheen no odor, most 10-15% Ash, cinder, slag, concrete in fragments particles and specs — FILL —	5	10	15	20	30	20					0-3 ND
2																		
4	Direct push	62 R=24"	3.0 – 7.0				3.0 – 7.0' Red brown yellow brown and gry banded Silty SAND w/ gravel (SM) occasional layer of cohesive fine sand to 4" thick no odor, most 90% Ash, slag, cinder, glass, ceramic in fragments particles and specs — ASH FILL VOC @ 5.0'	15	15	15	25	30						3-7 ND
6																		
8	Direct push	63 R 18"	7.0 – 9.0				7.0 – 9.0; gry to dark gry Silty SAND w/ gravel (SM) mpx 1.5" No Sheen no odor, most 100% Ash, Cinders and slag in fragments particles and specks — ASH FILL BOE @ 9.0'	5	15	15	20	25	20					7-9 ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	9.0
Rock Cored (Linear ft.)	—
Number of Samples	63

BORING NO. A20

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. A21

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	T. Gunn	DATE FINISHED	11/30/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model 6712T

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	Dump push	61 R: 30"	0.0		1.0		0.0–1.0' Brennas Crete pavement											10.6 PID
2			2.5			SM	1.0 – 6.5 Gray black and dark brown bituminous silty SAND w/gravel (SM) MPF 1.5", No Stain no odor dry, 80% Ash, slag, concrete, brick, glass in fragments particles and specs – FILL	5	K	10	20	30	20					0-2 ND
4	Dump push	62 R=29"	2.5				VOC @ 3.0'											2.5 – 6.5 ND
6			6.5															
8	Dump push	63 R: 18"	6.5				6.5 – 8.5 gray to red gray Silty SAND w/gravel (SM) MPF 1.2", No Stain no odor wet 100% Ash, crete, slag in fragments particles and specs – ASH FILL BVE @ 8.5'	10	10	15	20	25	20					6.5 8.5 ND

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	8.5
Rock Cored (Linear ft.)	–
Number of Samples	63

BORING NO. A21

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. B 22

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/05
DRILLER	Taylor Brown	DATE FINISHED	11/30/05

Elevation ft. | Datum | Boring Location: SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0	Dual push	G1 R 21"	0.0 2.8			SM	0.0-2.8' gy brown to brown silty SAND w/gravel (SM) MPS=1.5", occasional cuttings of poorly graded gravel no odor, moist -FILL-	20	10	10	15	25	20	—	—	—	—	0.0 NO
2	Dual push	G2 R 32"	2.8 6.8				2.8-6.5' light brown with brown and gy bands SILTY SAND (SM) MPS=0.6" no staining no odor, moist occasional clayey pocket -FILL- VOC @ 6.0'	15	10	20	35	20	—	—	—	—	—	2.8 NO
4																		
6					6.5													
8	Dual push	G3 R 18"	6.8 8.8			SM	6.5-8.8' Gray and black banded SILTY SAND w/ gravel (SM) MPS=1.5" No staining, no odor, wet in pockets 100% ash, cinders, slag in fragments patches and spots - ASH FILL -	5	10	15	15	25	25	—	—	—	—	6.8 8.8 0.3
10							BEC 8.8'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.8; Rock Cored (Linear ft.) —; Number of Samples G3

BORING NO. B22

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C4

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	T. Grenn	DATE FINISHED	12/1/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6710DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Direct push	G1 R: 31"	0		0.5	SC	Gray poorly graded Gravel (GP) 0.5-3.7 Pale gray with orange & pale brown bands clayey Sand w/ gravel (SC) mpt=1.0" pockets of Silty Sand w/ gravel (SM), occasional piece of bituminous concrete. No oil, odor 5-10% Ash – FILL Wood RR tie at 2.3'		10										10.6 ev. pid 0-3 0.7
2			3.7		3.7	SM	3.7-5.2' Black Silty SAND (SM) mpt=0.8" No Stratum no odor moist 15-25% Ash, cinders and slag in fragments pockets and specs – FILL	5	5	15	40	35						3.7 ↓ 7.7 NO
4	Direct push	G2 R: 35"	3.7		5.2	SW	5.2-7.9' Light brown to brown well graded SAND w/ gravel (SW) mpt=1.2" occasional pockets of silty Sand up to 4" thick, no odor, moist Voc@ 6.0" – FILL	5	15	15	25	35	5					
6			7.7		7.9	SM	7.9-9.7' Black Silty SAND w/ gravel (SM) mpt=6.5" No stratum No oil, odor 10% slag, ash, cinders in fragments pockets and specs – ASH FILL – BOE @ 9.7'	5	15	15	30	20	15					9.7 ↓ 9.7 NO
8	Direct push	G3 R: 16"	7.7															
10			9.7															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.7'
Rock Cored (Linear ft.)	–
Number of Samples	G3
BORING NO.	C4

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. C23

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/12
DRILLER	T. Grenna	DATE FINISHED	11/30/12

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust push	61 R 33"	0.0		0.4	GP	0.0-0.4' (GP) Gray poorly graded Gravel		100									106 PIX
2						SC	0.4-5.1' olive gry clayey SAND w/ gravel (SC) mpl= 1.2", occasional pockets of fine gravel up to 3" thick No odor, moist, trace ash, brick @ 3.9' layer of asphalt at 5.1' - FILL	5	15	5	20	25	30					0-3 ND
4	Dust push	62 R 39"	3.9															
					5.1													3.9 ↓ 7.9
6						Sm	5.1-8.5 light brown Silty SAND (Sm) mpl=0.5", No Structure no odor, moist - FILL - VOC @ 7.0'	5				55	40					ND
8	Dust push	63 R 24"	7.9															
					8.5													7.9 ↓ 11.9
10						Sr	8.5-11.9' olive gry to dark gry Silty SAND w/ gravel (Sm) mpl=0.8" occasional pockets of ash, coal, cinders and slag no odor moist - FILL -	5	10	15	25	20	25					ND
12			11.9				11.9' BOE											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	11.9'
Rock Cored (Linear ft.)	—
Number of Samples	63

BORING NO. C23

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. D4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / C M
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	D. Jacobs	DATE FINISHED	11/19/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	G1 R=36"	0.0		1.6	SM	brown, Silty SAND with gravel (SM), MPS 1.65 no structure, no odor, moist, brick + granite cobble from 1.6-2.6 ft. — FILL —	10	10	10	25	30	15					PID 10.6
2			3.8		2.8													PID 0.0 PPM
4	PUSH	G2 R=26"	3.8		5.0	SM	5.0 ft VOC Black, Silty SAND with Gravel (SM), mps 1.5, no structure, no odor, moist, 40-50% Ash — FILL —	10	10	10	30	25	15					PID 6.0 PPM at 5.0
6			7.8		7.8	SM	grey, Silty SAND with gravel (SM), mps 1.65, no structure, no odor, moist. — FILL —	15	10	20	20	20	15					
8	PUSH	G3 R=24"	9.8		9.8	SC	dark grey-olive grey, Clayey SAND with Gravel (SC) MPS, no structure, no odor, wet. — HYDRAULIC FILL —			20	40	40						PID 0.0 NOT DETECTED
10							— Bottom of Exploration 9.8 ft —											
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	9.8
Rock Cored (Linear ft.)	—
Number of Samples	G3

BORING NO. D4

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 6.5'

GEOPROBE

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~~TEST BORING~~ REPORT

BORING NO. D5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model: GeoTech 20 DT

☑ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well~~ Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G3 37	0			CL	olive brown to gray Lean CLAY with Sand (CL), mps 0.7", no structure, no odor, moist, trace brick					10	90	N	M	L	L
2				NO			FILL										
4		G2 37	4	4	4.1		ASPHALT LAYER										
					4.5		Black to gray silty SAND with gravel (SM), mps 1.0", no structure, no odor, moist, 10-15% pockets of ash and cinders	5	10	10	15	40	20				
6				NO													
8		G3 30	8	8													
				NO													
10			10.5		10.1	CL	Gray, Lean CLAY with Sand (CL), mps 0.3", no structure, no odor, wet, trace black staining					10	90	N	H	L	L
							BOE 10.5'										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~10.0

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (Linear ft.)	10.5
Rock Cored (Linear ft.)	—
Number of Samples	G3

BORING NO. D5

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 4.0

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GEOPROBE REPORT

BORING NO. D6

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 42	0				Black to gray, SILTY SAND (SM) intermixed with Sandy Lean CLAY (CL), mps 0.8", no structure, no odor, moist, trace brick and ash/cinders, trace pockets of asphalt	5	5	15	10	45	30				
2				ND													
			4				— FILL —										
4		G2 41	4														
6				ND			Fill intermixed Silty Sand (~55-60%) and Lean Clay with Sand (~45-40%)			5	20 / 10	45 / 30	30 / 60				
			8														
8		G3 24	8														
				ND													
10			11				BOE 11.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.); Number of Samples 63

BORING NO. D6

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E3

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	T. Gremm	DATE FINISHED	12/1/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Duct push	G1 R-18"	0.0 – 3.2			SM	0.0 – 3.2 Gry brown with occasional brown bands silty sand w/gravel (SM) mps: 0.9" occasional clayey pockets, No odor, moist – FILL		15	5	25	30	25				
2					3.1												
	Duct push	G2 R-32"	3.2 – 7.2			SW	3.2 – 4.4: Light brown tan to gray well graded SAND (SP) mps: 0.2", No stain no odor, wet – FILL –	5	15	40	35	5					
4					4.4												
6						SM	4.4 – 8.2 Black tan to gray silty SAND w/gravel (SM) mps: 1.5", decay silt and debris, no odor wet in pockets	15	10	30	25	20					
	Duct push	G3 R-20"	7.2 – 9.2														
8					8.2												
						SM	8.2 – 9.2 gry, black and yellow brown mottled silty SAND (SM) mps: 0.9", No stain no odor wet 100% ASH, cinder slag in fragments particles and specks – ASH FILL	10	15	20	25	30					
10							BOE @ 9.2'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.2
Rock Cored (Linear ft.)	–
Number of Samples	63
BORING NO.	E3

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. E4

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	D. Jacobs	DATE FINISHED	11/19/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	G1 R=25	0.0			SM	brown, Silty SAND with gravel (SM), MPS 1.65, no structure, no odor, moist, trace brick 2 inch layer of ASH 4.0-4.4 — FILL —	10	10	15	20	30	15					
2																		PID 7.3 PPM at 4.0
4	PUSH		4.2		4.0		ASH VOC at 4.2											
					4.4													
					4.5	SM	Black, Silty SAND with gravel (SM), MPS 1.65 no structure, no odor, moist, 3.0% ASH, cinders, slag and brick in fragments and specks — FILL —	10	10	10	25	30	15					PID 4.6 PPM
6		G2 R=42			6.0		MS/MSD 4.2-6.2											
						SM	grey, Silty SAND with gravel (SM), MPS 1.0", no structure, no odor, moist — FILL —	5	10	20	20	30	15					PID 2.0 PPM
8	PUSH		8.2															
		G3 R=	8.2		9.0	SC	dark grey, Olive grey Clayey SAND (SC) MPS 0.05" no structure, no odor, wet — HYDRAULIC FILL —				15	50	35					PID 0.2 PPM
10			10.2		10.2		— BOTTOM OF EXPLORATION 10.2 —											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.9
Rock Cored (Linear ft.)	
Number of Samples	G3

BORING NO. E4

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 5.8'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. E5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model Geoprobe DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	~~Well Diagram~~ PID (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 34	0			CL	olive brown to gray Lean CLAY with sand (CL) mps 0.9" no structure, no odor, moist, trace brick and asphalt					10	90	S	M	L	L
2				ND			FILL										
					3.7		ASPHALT LAYER										
					4.0												
4		G2 41	4			SM	Gray to black, silty SAND with gravel (SM), mps 1.0" no structure, no odor, moist, 10-15% ash and cinders, trace asphalt and wood	5	10	15	10	35	25				
6				ND			FILL										
8		G3 31	8														
					9.3												
10				ND		CL	Gray Lean CLAY with sand (CL), mps 0.5", no structure, no odor, wet, trace black staining, trace pockets of black organic silt					15	85	S	M	L	L
			11				BOE 11.0										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~10

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	—
Number of Samples	G3

BORING NO. E5

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 3.9'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. E6

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A.F.
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Geoprobe DT
Type	—	G	—	☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)	—	1 3/8	—	☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)	—	Auto		☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth GP
Hammer Fall (in.)	—			☐ Skid ☐ ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	~~Well Diagram~~ PID (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 36	0				Gray to olive brown, Lean CLAY with sand (CL), mps 0.8", no structure, no odor, moist, trace asphalt and concrete and wood					10	90	S	M	L	L
2				ND			FILL										
4		G2 41	4		3.8		Black, silty SAND (SM), mps 0.9", no structure, no odor, moist, 30-35% pockets of ash and cinders	5	5	15	15	30	30				
6				ND													
8		G3 28	8														
10				ND													
			11				BOE 11.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	E6

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC #6.1'

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GEOPROBE REPORT

BORING NO. F3

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	Taylor Griener	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—		—
Hammer Weight (lb.)	—	PUSH	
Hammer Fall (in.)	—		

Rig Make & Model: 67 12DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	S1 26	0	ND	0.8	SM/CL	Gray to olive brown silty SAND with gravel intermixed with sandy lean CLAY (CL) MPS 0.8", no structure, no odor, moist.	5	10	5	15	40	25				
							Black silty SAND (SM), MPS 0.9" no structure, no odor, moist, 20-25% ash, cinders and coal, trace brick, trace tan poorly graded sand, trace sandy lean clay, trace pockets of black staining	5	5	10	10	35	35				
2																	
							FILL										
4		S2 31	4	4													
6																	
8		S3 20	8	8													
10			10				BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary:
Overburden (Linear ft.) 10.0
Rock Cored (Linear ft.)
Number of Samples 63

BORING NO. F3

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. F4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/20
DRILLER	D. Jacobs	DATE FINISHED	11/19/20

Elevation	ft.	Datum		Boring Location	SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	GP
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	G1 R=41"	0.0			SC	Olive grey, Clayey SAND with gravel (SC), mps 1.65, no structure, no odor, moist, trace brick — FILL —	10	10	10	10	20	40					0.0 NON DET
2			3.9		3.0		NOTE: ASPHALT 3.0-3.5 feet											
					3.5		VOC 3.9 feet											
4	PUSH	G2 R=42"	3.9		4.5	Sm	black, silty SAND with gravel (Sm), mps 1.65, no structure, no odor, moist to wet in pockets 30-40% cinders, ash, slag and wood in pieces, fragments, particles and specks. 4.5-6 feet — FILL —	10	10	20	20	25	15					9.5 PPM
6			7.9		6.0	Sm	grey, silty SAND with gravel (Sm), mps 1.65, no structure, no odor, moist, — FILL —	10	15	10	20	30	15					
8	PUSH	G3 R=22"	9.9		8.0	SC	Olive grey, Clayey SAND, (SC), mps 0.05 inches, no structure, no odor, wet, — HYDRALIC FILL —				5	55	40					0.0 NON DET
10					9.9		— BOTTOM OF EXPLORATION 9.9 FT —											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.9
Rock Cored (Linear ft.)	
Number of Samples	G3

BORING NO. F4

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 3.0

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. F5

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☒ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 39	0			CL	olive brown to brown Lean CLAY with sand and gravel (CL), mps 0.9", no structure, no odor, moist, trace brick and asphalt	5	10			10	75				
2				ND			— FILL —										
4		G2 44	4		4.0	GP/SM	gray to brown, poorly graded GRAVEL (GP) intermixed with silty SAND (SM), mps 1.0", no structure, no odor, wet	15	60	10	5	5	5				
6				ND													
8		G3	8														
10				0.4													
							BOE 11.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~4.0

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 11.0; Rock Cored (Linear ft.) —; Number of Samples 63; BORING NO. F5

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 4.2

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. F6

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Damion Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	~~Well Diagram~~ PID (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 45	0			CL	olive brown to gray, sandy lean CLAY (CL), mps 0.8", no structure, no odor, moist, trace brick, trace pocket of asphalt at 3.6 to 3.8'				5	15	80	N	L	L	L
2				ND			FILL										
4		G2 43	4		3.9	SM	Black silty SAND (SM) intermixed with ash and cinders, mps 1.0", no structure, no odor, moist, trace slag	5	5	15	10	35	30				
6				ND	6.3	CL	Gray lean CLAY (CL), mps 0.7", no structure, no odor, wet at 8.0, trace black staining from 8-9.0'					10	90	N	L	L	L
8		G3 30	8	ND													
10			10.5				BOE 10.5										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.0

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.5
Rock Cored (Linear ft.)	
Number of Samples	63
BORING NO.	F6

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 4.0

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. G3

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	Taylor Griener	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—		—
Hammer Weight (lb.)	—	PUSH	
Hammer Fall (in.)	—		

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 31	0	ND	7"	CL	— BLACK BITUMINOUS ASPHALT — olive brown to gray, sandy Lean CLAY (CL) intermixed with SILTY SAND (SM) mps 0.5" no structure, no odor, moist, trace brick and asphalt		5	5	10	25	55				
2																	
					3.4'	SM	Black Silty SAND (SM) intermixed with ash and cinders, mps 0.7", no structure, no odor, moist, 5-10% coal, trace brick	5	5	10	10	35	35				
4		G2 37	4	ND	4.0		olive brown to gray, sandy Lean CLAY (CL), mps 0.8", no structure, no odor, moist, trace brick		5	10	5	25	55				
6				ND	6.0		Black Silty SAND (SM), mps 0.6", no structure, no odor, moist, 20-25% ash and cinders, trace glass	5	5	15	10	30	35				
					6.5	SP-SM	Gray poorly graded SAND with Silt and gravel (SP-SM), mps 1.0", no structure, no odor, moist	10	10	10	10	50	10				
8		G3 20	8	ND													
				ND	9.9		Black ash and cinders										
10			10				BOE 10.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. 63

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. G4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	D. Jacobs	DATE FINISHED	11/19/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT
Type		GP		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety
Inside Diameter (in.)		1.65		☐ ATV ☒ Geoprobe ☐ Winch	☐ Doughnut
Hammer Weight (lb.)		–		☒ Track ☐ Air Track ☐ Roller Bit	☒ Automatic
Hammer Fall (in.)		–		☐ Skid ☐ _____ ☒ Cutting Head	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	PID
0	PUSH	G1 R=32	0.0			SC	olive gray, Clayey SAND with gravel (SC), MPS 1.65, no Structure, no odor, wet, - FILL -	10	10	10	20	20	30					10.0
2							VOC 2.0 ft.											0.0 NON DET
			3.7		3.7		NOTE: ASHPHALT: 3.7-3.9											
4	PUSH	G2 R=28"	3.7			SM	Light brown, Silty SAND with gravel (SM), MPS 1.65 no structure, no odor, moist, Concrete layer 5.5-6 ft, 3 inch layer of ash below concrete - FILL -	5	10	10	20	30	15					0.0 NON DET
6																		
	PUSH		7.7															
8		G3 R=22"	7.7		8.5	SC	olive grey, Clayey SAND (SC), mps 0.01 inch, no structure, no odor, wet pockets, shells - HYDRAULIC FILL -				20	30	50					0.0 NON DET
			9.7															
10							BOTTOM OF EXPLORATION 9.7 ft											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.7
Rock Cored (Linear ft.)	
Number of Samples	G3

BORING NO. G4

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 7.0'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. G5

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model: 6670 D2

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ PPM	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	GP PUSH	G1 42	0				Gray to olive brown Lean CLAY (CL), mps 0.5" no structure, no odor, moist, trace asphalt, trace pockets of silty sand					5	95	N	M	L	L
							— FILL —										
2				ND													
4		G2 39	4		4.0		— ASPHALT Layer —										
					5.4		Black to gray silty SAND with gravel (SM) mps 10" no structure, no odor, moist, trace brick, ash and pockets of poorly graded sand	5	15	10	20	25	25				
6				ND													
8		G3 25	8		8.6		Gray Lean CLAY (CL), mps 0.5" no structure, no odor, wet to moist					5	95	N	M	M	L
				ND													
10			10				BOE 10.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~9.0

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.); Number of Samples G3; BORING NO. G5

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 3.0

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. G6

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (ppm)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 38	0				Gray to olive brown, Lean CLAY (CL), mps 0.7" no structure, no odor moist trace pockets of silty SAND, trace ash, cinders, asphalt and brick					5	95	N	L	L	L
2				ND			— FILL —										
4		G2 41	4														
6				ND	5.8		Black silty SAND intermixed with ash and cinders, mps 0.7" no structure no odor, moist, wet at 9.0', trace brick	5	5	15	10	35	30				
8		G3 27	8														
10				ND													
			10.5				BOE 10.5'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~9.0

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (Linear ft.)	10.5
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	G6

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. G16

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	D. Jacobs	DATE FINISHED	11/20/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT
Type		GP		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety
Inside Diameter (in.)		1.625		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite
Hammer Weight (lb.)		—		☒ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth GP
Hammer Fall (in.)		—		☐ Skid ☐ _____ ☒ Cutting Head	☐ Doughnut ☐ Polymer; ☒ Automatic ☒ None

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	NS	0.0				NOT SAMPLED											PID 10,61 PP
4	PUSH	G1 R=30"	4.1		4.0	SC	Dark gray, Clayey SAND with gravel (SC) mps 1.65, no structure, no odor, moist trace brick - FILL - VOC at 5.0 ft	5	10	5	10	40	30					PID 0.0 PPM
6	PUSH	G2 R=24"	7.1		6.0	SM	light gray, Silty SAND with gravel (SM) mps 1.65, no structure, no odor, dry gravel is comprised of granite fragments - FILL -	15	20	10	20	20	15					PID 0.0 PPM NOM DETEC
8																		
10	PUSH	G3 R=20"	11.1															
12			13.1		12.0	SM	Black, Silty SAND with gravel (SM), mps 1.65, no structure, no odor, wet in pockets, trace brick and ASH - FILL -	10	10	10	20	20	30					PID NOM DETEC
					13.1		- BOTTOM OF EXPLORATION 13.1ft -											
14																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	13.1
Rock Cored (Linear ft.)	—
Number of Samples	G3
BORING NO.	G16

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 7.8'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. G17

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	Taylor Griener	DATE FINISHED	

Elevation	ft.	Datum		Boring Location	SEE PLAN
Rig Make & Model					6712 DT

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

☐ Truck	☐ Tripod	☐ Cat-Head	
☐ ATV	☒ Geoprobe	☐ Winch	
☐ Track	☐ Air Track	☐ Roller Bit	
☐ Skid	☐	☒ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	GP PUSH
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	~~Well Diagram~~ PID (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 29	0	ND	4"		BLACK BITUMINOUS ASPHALT										
							Gray, SILTY SAND (SM), mps 0.8", no structure, no odor, moist	5	5	15	15	30	30				
							FILL										
3		G2 31	3		3.5		Gray, clayey SAND (SC), mps 0.7" no structure, no odor, moist, trace brick	5	5	10	10	35	35				
							FILL										
6		G3 33	7		7.8	SM/CL	Gray, silty SAND with gravel (SM) intermixed with sandy lean CLAY (CL), mps 0.8", no structure no odor, moist, trace brick and glass	5	10	10	15	35	25				
							FILL										
9		G4 20	11														
12			13				BOE 13.0'										
15																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	13.0
Rock Cored (Linear ft.)	
Number of Samples	G4
BORING NO.	G17

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 3.4'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. H3

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18
DRILLER	Taylor Griener	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1.625	—
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	61 32	0	(0-4) ND	5"	SM	— BLACK BITUMINOUS ASPHALT — Gray to tan, silty SAND (SM), mps 0.9", no structure no odor, moist, trace brick, trace sandy lean clay	5	5	5	15	45	25				
2							Soil wet at 3.1'										
					3.0	SM	Black, silty SAND with gravel (SM), mps 0.6", no structure, no odor, wet 5-10% asphalt, ash and cinders, trace glass										
4			4				BOE 4.0 NOTE: Refusal at 4.0 on 2 attempts										
6																	
8																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 4.0; Rock Cored (Linear ft.) —; Number of Samples 61

BORING NO. H3

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. H3

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	T. Grunn	DATE FINISHED	12/1/15

Elevation ft. | Datum | Boring Location SEE PLAN Mound 3' SE of Manhole 1 north

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: GP GT12 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dump push						Prior Sample at H3 ended on Obstruction at 4.0'										
4	Dump push	61 R=37"	4.0 8.0			SW	4.0 - 8.0' black fine to fm Silty SAND w/ gravel (SM) MPS 1.5", No Structn no odors moist occasional layer of ash, cinders slag up to 10" thick — FILL VOC @ 5.0'	5	10	15	35	25					
6																	
8	Dump push	62 R=18"	8.0 10.0		8.0	SW	8.0 - 10.0' Gry to dark gry Silty SAND w/ gravel (SM) MPS 1.2", No Structn no odor, wet 10% ash, cinders slag in fragments particles and specks — ASH FILL BTEC 10.0'	5	10	15	30	15	25				
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. H3

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. #4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	D. Jacobs	DATE FINISHED	11/19/15

Elevation ft. | Datum | Boring Location: SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	PID EV 10.
0	Dual pump	G1 R-24	0.0		0.6	SC	grey, Clayey SAND with gravel (SC), MPS 1.65, no structure, no odor, wet, — FILL —	10	10	10	20	20	30					0.0 NON DETEC
2			3.7		3.7	SM	light brown-brown, silty SAND with gravel (SM), MPS 1.65, no structure, no odor, moist — FILL —	10	5	10	30	30	15					
4	Dual pump	G2 R-32"	3.7		4.2	SM	NOTE: Six inches of Asphalt 3.7-4.2 light brown, Silty SAND with gravel (SM), MPS 1.65, no structure, no odor, moist, 25% ash in pockets — FILL —	5	10	10	30	30	15					0.0 NON DETEC
6							VOC: 4.5 feet											
8	Dual	G3 R-28"	7.7		7.7	SC	light grey, Clayey SAND with gravel (SC), MPS 1.65, no structure, no odor, wet, trace brick, glass — HYDRAULIC FILL —	5	10	10	10	30	35					0.0 NON DETEC
10			9.7				— B.O.E. 9.7 ft —											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.7; Rock Cored (Linear ft.); Number of Samples G3

BORING NO. H4

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 3.0'

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GEOPROBE REPORT

BORING NO. H5

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model: Geoprobe 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 37	0			SC	Gray, Sandy Lean CLAY (SC) mps 0.8", no structure, no odor, moist, 30-35% silty SAND with gravel, trace brick and asphalt				5	10	85	N	L	L	L
2				ND													
4		G2 39	4	4	3.8	SM	Tan to black, Silty SAND with gravel (SM), mps 0.9" no structure, no odor, moist 5-10% pockets of poorly graded sand, wet at 5.0'	10	15	15	10	30	20				
6				ND													
8		G3 23	8	8	8.3		Black ash and cinders, mps 0.7" no structure, no odor, wet, trace silty sand with grave				ASH						
				ND			— ASH FILL —										
10			10				BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~5.0

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	H5

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 4.5

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GEOPROBE REPORT

BORING NO. H6

Page 1 of

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN OFF SET 4' WEST of PIN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model: 4620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	~~Well Diagram~~ PID (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 41	0				olive brown to gray, Lean CLAY with sand(CL), mps 0.8", no structure, no odor, moist, trace brick and ash					10	90	N	L	L	L
2				ND			FILL										
4		G2 37	4														
6				ND	5.8		Black Silty SAND (SM) intermixed with 90% asphalt, mps 1.0", no structure, no odor, moist	5	5	15	10	35	30				
							ASPHALT LAYER										
8		G3 24	8		7.3	SP/CL	Tan poorly graded SAND (SP) intermixed with gray lean CLAY with sand(CL), mps 1.0", no structure, no odor, moist			5	10	80	5				
				ND													
10			10				BOE 10.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	6.3
Rock Cored (Linear ft.)	—
Number of Samples	10.0'
BORING NO.	H6

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 7.8'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. H18

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	Taylor Grenier	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 33	0	ND	4"		—BLACK BITUMINOUS ASPHALT— Dark gray, Silty SAND with gravel (SM) mps 0.8", no structure, no odor, moist, trace brick, glass and asphalt, trace pockets of Sandy Lean clay	5	10	5	10	35	35				
2							—FILL—										
4		G2 34	4	4													
6							NOTE: Increase in concrete from 6.5' to 6.8'. 30-40% concrete										
8		G3 28	8	ND 8													
10					10.0	SW	Gray to black, well graded SAND with gravel (SW), mps 0.9", no structure, no odor, wet, trace pockets of fine poorly graded sand	10	10	20	25	30	5				
							—FILL—										
12			12.1				BOE 12.1										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~10

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (Linear ft.)	12.1
Rock Cored (Linear ft.)	
Number of Samples	G3

BORING NO. H18

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 1.8'

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GEOPROBE REPORT

BORING NO. I3

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	Taylor Greiner	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1.62r	—
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP Push

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	GP Push	G1 28	0		0.2		— GRAVEL —										
					0.8		Gray, sandy lean CLAY (CL), mps 0.5", no structure, no odor, moist, trace brick and ash		5	5	10	25	55				
							Black, Silty SAND (SM) intermixed with ash and cinders, mps 0.8", no structure, no odor, moist, 5-10% coal, trace brick and glass	5	5	10	10	40	30				
2							— FILL —										
4		G2 34	4	4													
6					6.7												
8		G3 20	8	8			Tan, poorly graded SAND (SP), mps 0.8", no structure, no odor, moist	5	5	10	15	60	5				
					8.2		Black, Silty SAND (SM) intermixed with ash and cinders, mps 0.7", no structure, no odor, moist, trace sand lean clay	5	5	5	10	40	35				
					8.8		Tan to gray tan, poorly graded SAND with gravel (SP), mps 0.8", no structure, no odor, moist	10	10	5	10	60	5				
10			10				BOE 10.0										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	G3

BORING NO. I3

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. I4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation	ft.	Datum	Boring Location	SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☑ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — PUSH 10.1'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (PID 10.6 EV) (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							ASPHALT										
	PUSH	G1 33"	0.1	0.1-4.1 ND	0.3	SW	Gray well graded SAND (SW)										
					0.6	SM	Gray silty/clayey SAND with gravel (SM), mps 1.5in, no structure, no odor, moist, trace brick particles	10	10	10	5	30	35				
2							- FILL -										
							wet @ 3.0'										
			4.1		3.6		NOTE: degraded ASPHALT 3.6-3.9 ft.										
4	PUSH	G2	4.1	4.1-8.1 ND	3.9	SP-SM	Gray brown poorly graded SAND with silt and gravel (SP-SM) mps 1.625 in, no structure, no odor, moist, 20% ash, cinders and slag.	5	10	10	20	45	10				
							- FILL -										
							NOTE: MS/MSD from 4.1-6.1 ft.										
6					6.0												
						SW	Light brown graded SAND, and gravel (SW), mps 1.5" in, no structure, no odor, moist,	10	15	15	20	30	10				
							- FILL -										
8	PUSH	G3	8.1	8.1-10.1 ND													
					9.6	CL	Dark gray sandy lean CLAY (CL), mps 1mm, no structure, no odor, wet, trace shell specks.					40	60	N	L	L	
10			10.1		10.1												
							B.O.E. 10.1 ft										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
			Not	CHECKED	

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.1; Rock Cored (Linear ft.) —; Number of Samples B3

BORING NO. I4

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

BORING NO. I5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Taylor Greiner	DATE FINISHED	12/1/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6712 DT

☑ Truck ☐ Tripod ☒ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	PUSH	S1 R=34	0.0 – 4.0		0.0	SM	light brown, silty SAND with gravel (SM), mps 1.5 inch, no structure, no odor, moist, trace ash, cinders, slag and brick in fragments, particles and specks. —FILL—	5	10		15	30	40				
2					2.0		2 inch granite cobble at 2.0 ft										
					2.5	SC	light gray, clayey SAND (SC), mps 0.75 inch no structure, no odor, moist —FILL—	5	5		20	30	40				
4	PUSH	S2 R=36	4.0 – 8.0		4.2	SM	black, silty SAND with gravel (SM), mps 1.65 inch, no structure, no odor, moist trace asphalt, ash and cinders —ASH FILL—	10	10	20	25	20	15				
6					6.5		VOC'S at 6.5 ft										
					7.0	SP	tan, light gray, poorly-graded SAND (SP), mps 0.3 inch no structure, no odor, moist —FILL—			30	35	30	5				
8	PUSH	S3 R=24	8.0 – 9.9		8.5	CL	olive brown, lean CLAY (CL), mps 0.1, no structure no odor, wet in pockets, trace ash —HYDRAULIC FILL—					15	85				
10					9.9		—BOTTOM OF EXPLORATION 9.9—										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.9; Rock Cored (Linear ft.) —; Number of Samples G3

BORING NO. I5

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

BORING NO. I6

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Taylor Griener	DATE FINISHED	12/1/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6712 DT
Type		GP		☑ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic
Inside Diameter (in.)		1.65		☐ ATV ☒ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None
Hammer Weight (lb.)		—		☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth: GP
Hammer Fall (in.)		—		☐ Skid ☐ ☒ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	PUSH	S1 R=30	0.0–4.0		0.0	SM	gray, Silty SAND with gravel (SM), mps 1.0, no structure, no odor, moist, trace brick, cinder, ash and slag in particles and specks. — FILL —	5	10	5	10	40	20				
1.8						SC	dark gray, Clayey SAND with gravel (SC), mps 1.0 inch, no structure, no odor, moist — FILL —	5	10		15	20	50				
2																	
4	PUSH	S2 R=32	4.0–8.0		4.0	SM	black, Silty SAND (SM), mps 0.5, no structure no odor, moist, ash and cinders in fragments particles and specks — FILL —	5	20	30	30	15					
5.0						SP	light brown, poorly graded SAND (SP), mps 0.5 inch, no structure, no odor, moist — FILL —	10	25	30	30	5					
6																	
7.0 ft							VOC's at 7.0 ft										
8	PUSH	S3 R=	8.0–9.9		9.0	CL	olive brown, Lean CLAY (CL), mps 0.2, no structure, no odor, wet in pockets — HYDRAULIC FILL —					15	85				
10							— BOTTOM OF EXPLORATION 9.9 ft —										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	9.9
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	
U	Undisturbed Sample	Filter Sand	Number of Samples	G3
S	Split Spoon Sample	Cuttings		
G	Geoprobe	Grout	BORING NO.	I6
		Concrete		
		Bentonite Seal		

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. I19

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	D. Jacobs	DATE FINISHED	11/20/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	N/S	0.0				0.0-2.5' NOT Sampled											
2			2.7															
	PUSH	G1 R-36"	2.8			SC	light gray, Clayey SAND with gravel (SC), mps 1.65, no structure, no odor, moist, — FILL —	5	10			40	30					PID NOT DET
4							VOC's at 4.5 ft											
			5.8		5.4	SM	Dark gray, Silty SAND with gravel (SM), mps 1.65, no structure, no odor, moist, Pockets of ash and brick, 6 inch granite Cobble at 5.8 ft — FILL —	10	10	10	15	40	15					PID NON DETE
6	PUSH	G2 R-38"	5.8		6.5	CL	Dark gray-light black, Lean CLAY (CL), mps 1.0 inch no structure, no odor, moist, occasional Pocket of ash/coal — HYDRAULIC FILL —					15	85					PID NO DETE
8			9.8															
10	PUSH	G3 R-20"	9.8		10.5	OL/OH	black, ORGANIC SOIL (OL/OH), mps 0.05, no structure, no odor, moist, — REWORKED ORGANIC SOIL —					10	90					PID NON DETE
			11.8		11.8		— BOTTOM OF EXPLORATION 11.8 ft —											
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 11.8
Rock Cored (Linear ft.)
Number of Samples G3

BORING NO. I19

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 4.5

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GEOPROBE REPORT

BORING NO. J3

Page 1 of

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	Taylor Griener	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1.675	
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL; maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 36	0	(0-4) 3.2	0.2	CL	GRAVEL — Gray, Sandy Lean CLAY (CL), mps 0.7" no structure, no odor, moist, trace asphalt, brick and ash		5	5	10	25	55				
2							COHESIVE FILL										
4		G2 32	4	(4-8) 16.7	3.5	SM	Black, Silty SAND (SM), mps 0.7" no structure, no odor, moist, trace gravel, 20-30% ash and cinders, trace coal, 10-15% asphalt	5	5	10	10	35	35				
							ASH FILL										
6					6.5		Tan, poorly graded SAND with gravel (SP), mps 0.8", no structure, no odor, moist	5	10	5	15	60	5				
							FILL										
8		G3 19	8	8-10 0.1													
10							BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					N/A

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. J3

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ M Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft.	Datum	Boring Location	SEE PLAN
Rig Make & Model	6712 DT		

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☑ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	Push 10.3'
☑ Automatic	☑ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID 10.6 EV Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	P U S H	G1 19"	0.3		0.5		ASPHALT										
						SW-SM	Gray wellgraded SAND with silt and gravel (SW-SM), mps 1.3 in, no structure, no odor, moist.										
					1.0												
2			2.3			SM/SC	Gray silty to clayey SAND with gravel (SM/SC), mps 1.625 in (brick), no structure, no odor, moist.										
	P U S H	G2 35"	2.3				- FILL -										
					3.3		Degraded ASPHALT										
4					4.5	SP	Brown to light brown poorly graded SAND with gravel (occasionally "with silt"), weakly bedded, no odor, moist. NOTE: ASH and CINDER layer 4.9-5.1'.										
6			6.3				- FILL -										
	P U S H	G3 31"	6.3				VOC's @ 7.0'.										
8							wet below ~ 9.6 ft.										
					9.8	CL	Dark gray sandy lean CLAY (CL), mps 1mm, no structure, no odor, wet, trace shell particles - HYDRAULIC FILL -					30	70	N	L	L
10			10.3		10.3		B.O.E. 10.3'										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT	
				CHECKED	

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	10.3
Rock Cored (Linear ft.)	—
Number of Samples	G3
BORING NO.	J4

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J5

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft.	Datum	Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6820 DT
Type		Macro		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic
Inside Diameter (in.)		1.625		☐ ATV ☑ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth: PUSH 10.7
Hammer Fall (in.)				☐ Skid ☐ ☑ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (PID 10.6EV ppm)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.3		ASPHALT										
	PUSH	G1 24"	0.0	0-2.7' ND		CL	Gray sandy lean CLAY (CL), mps 1.0 in, no structure, no odor except @ 2.5 Slight petroleum-like odor.	5	-	5	5	20	65				
							- COHESIVE FILL -										
2			2.7				VOC's @ 2.5 ft										
	PUSH	G2 41"	2.7	2.7-6.7' ND			NOTE: primarily clayey SAND with gravel from 2.9-3.9 ft										
4																	
6					6.0												
	PUSH	G3 32"	6.7	6.7-10.7 ND		(SM)	Black to brown/gray CINDERS, SLAG, ASH and COAL, ~30% silty SAND with gravel - CINDER FILL -	10	10	10	10	30	30				
8					8.8		Similar to above except nearly all CINDERS/ASH etc.			N/A							
			10.7		10.3	SW	Brown well graded SAND with gravel (SW), mps 1.0 in, no structure, no odor, wet - FILL -	10	15	20	20	30	5				
10					10.7		BOE. @ 10.7 ft										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT	
				CHECKED	

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	10.7
Rock Cored (Linear ft.)	–
Number of Samples	G3
BORING NO.	J5

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. J6

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/19/15
DRILLER	D. Jacobs	DATE FINISHED	11/19/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	PUSH	G1 R=28"	0.0		0.5	SC	ASPHALT 0.5 ft brown-black, Clayey SAND with gravel (SC), MPS 1.65, no structure, no odor, wet pockets, — FILL —	10	10		20	30	30					PI 0. P
2			3.0															
	PUSH		3.0															
4		G2 R=39"			4.0	SM	VOC at 4.0 ft Olive brown, silty SAND with gravel (SM), MPS 1.65, no structure, no odor, moist, 6.0-6.5 ft Ash — FILL —	5	10	5	25	35	20					PI 0. PP
6					6.0 6.5													
	PUSH		7.0															
8		G3 R=	7.0		7.5	SM	brown, silty SAND with gravel (SM), MPS 1.65 no structure, no odor, moist, layer of Ash at 8.0-10.6 ft		15	5	20	40	20					PI 0.0
10			11.0		10.6	SC	Olive grey, Clayey SAND with Gravel (SC), MPS 0.05 inch no structure, no odor, wet. — HYDRAULIC FILL — — BOTTOM OF EXPLORATION 11.0 ft —				20	35	45					PI 0.0 PPM
12																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	11.0
Rock Cored (Linear ft.)	
Number of Samples	G3
BORING NO.	J6

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. J8A

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	T. Greiner	DATE FINISHED	11/23/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0																	
6							NO SAMPLE COLLECTED										
8																	
10	PUSH	G1 R=40"	9.8		9.8	CL	Olive brown, Lean CLAY (CL), mps 0.1, no structure, no odor, wet in pockets — HYDRAULIC FILL —						15	85			
12																	
14			13.8		13.8		— Bottom of Exploration 13.8 —										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 13.8; Rock Cored (Linear ft.); Number of Samples G1

BORING NO. J8A

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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Yocs @ 6.4'

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GEOPROBE REPORT

BORING NO. J20

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	Taylor Gomez	DATE FINISHED	11/20/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: GZR DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP Push	G1 38	0		5"		—BLACK BITUMINOUS ASPHALT— olive brown to gray, silty SAND with gravel (SM), mps 1.0", no structure, no odor, moist trace brick, trace pockets sandy lean CLAY	5	10	10	10	35	30				
2				ND			—FILL—										
4		G2 30	4	4													
6				ND	6.3	SM	Black silty SAND intermixed with ash and cinders, mps 0.8", no structure, no odor, moist, trace coal, glass and concrete	5	5	10	15	40	25				
					6.6		—CONCRETE—										
					7.0		Gray silty SAND with gravel (SM), mps 0.9", no structure, no odor, moist	5	10	10	15	40	20				
8		G3 31	8	8			—FILL—										
10				ND													
12			11.6				BOE 11.6'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 11.6; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. J20

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. K3

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	Taylor Grenier	DATE FINISHED	11/17/15

Elevation ft. | Datum | Boring Location: SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth: Push 9.6'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (PID 10.6 eV (ppm))	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	P U S H	G1 32"	0.4	ND	0.4		3/4-in minus GRAVEL - FILL -										
					0.8	CL	Gray sandy lean CLAY with gravel (CL), mps 1.2-in, no structure, no odor, moist to wet										
						SP	Dark gray brown to black poorly graded SAND with gravel (SP), mps 1.3-in, no structure, no odor, moist ~35% CINDERS, SLAG and ASH intermixed/interbedded.										
2																	
4	P U S H	G2 29"	3.6	ND			- FILL -										
							VOL @ 50%.										
6					5.5	SW/SP	Brown to light brown poorly to well graded SAND (SW/SP), occasionally "with gravel" or "with silt", layered, no odor, moist. - FILL -	5	5	15	30	40	5				
8	P U S H	G3 20"	7.6														
							NOTE: wet below ~ 9.0'.										
			9.6		9.6		B.O.E. 9.6 ft										
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT CHECKED	

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (Linear ft.)	9.6
Rock Cored (Linear ft.)	
Number of Samples	G3
BORING NO.	K3

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. K4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	T. Grenan	DATE FINISHED	11/17/15

Elevation ft.	Datum	Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6712 DT
Type		MACRO		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic
Inside Diameter (in.)		1.625		☐ ATV ☑ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth: Push
Hammer Fall (in.)				☐ Skid ☐ ____ ☑ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram 10.6 EV ppm	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	PUSH	G1 23"	0.0	ND	0.6	(CL)	ASPHALT Gray brown to gray Sandy lean CLAY (CL), mps 0.5 in, no structure, unnatural odor, moist, occasional (trace) brick particles, cinders. - FILL -		10	5	5	15	65	N	L	L	
2																	
	PUSH	G2 44"	2.4	ND													
4					4.0		ASPHALT possible reclaimed asphalt.										
					4.5		ASH and CINDERS										
					4.8	SW/SP	Brown poorly to well graded SAND with gravel (SW/SP), mps 1.625 in, weakly layered, no odor, moist, occasional cinders and ash beds under 2in, occasional dark gray Clayey SAND beds. - FILL -										
6	PUSH	G3 42"	6.4	ND													
8																	
10			10.4		10.1 10.4		Dark olive gray lean CLAY (CL), no structure, no odor, moist. B.O.E. 10.4 ft										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT CHECKED	

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	10.4
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	—
U	Undisturbed Sample	Filter Sand	Number of Samples	6-3
S	Split Spoon Sample	Cuttings		
G	Geoprobe	Grout	BORING NO.	K4
		Concrete		
		Bentonite Seal		

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 6.5

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GEOPROBE REPORT

BORING NO. K5

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A.F
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	Taylor Green	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 35	0		4"		— BLACK BITUMINOUS ASPHALT — Gray, silty SAND (SM), mps 0.8", no structure, no odor, moist, trace brick, ash/cinders, wood, and slag	5	5	15	5	35	35				
2																	
4		G2 46	4	4													
6					7.0		Tan, poorly graded SAND (SP) mps 0.3", no structure, no odor, moist, wet at ~9.0			5	10	80	5				
8		G3 30	8	8													
10				11	9.5		Black, silty SAND with gravel (SM), mps 1.0", no structure, no odor, wet	10	10	10	5	35	30				
12							BOE 11.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~9.0

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (Linear ft.)	11.0'
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	K5

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. K19

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	D. Jacobs	DATE FINISHED	11/20/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ ~~Cat-Head~~
☒ ATV ☒ Geoprobe ☐ ~~Winch~~
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	PUSH		0.0				NO SAMPLE COLLECTED PUSHED THROUGH INTERVAL											
2			2.5		2.5													
	PUSH	G1 R=36"	2.5			SM	light gray, Silty SAND with gravel (SM), MPS 1.65, no Structure, no odor, moist, Ash, Cinders, Slag and brick in Pockets — FILL —	10	10	10	25	30	15					PID NON DETE
4			5.5															
	PUSH	G2 R=42"	5.5		5.5	SM	Dark black, Silty SAND with gravel (SM), MPS 1.65 no Structure, no odor, moist, 100% ASH VOC at 6.0 ft — ASH FILL —	5	10	10	15	30	30					PID NON DETEC
6																		
8																		
	PUSH	G3 R=20"	9.5		9.5	OL/OH	Dark black, ORGANIC SOIL, (OL/OH), MPS 0.05 no Structure, no odor, Pockets of water, wood at bottom 2 inches — REWORKED ORGANICS —					10	90					PID 1.0 PPM
10			11.5		11.5		— BOTTOM OF EXPLORATION 11.5 ft —											
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 11.5 ft
Rock Cored (Linear ft.)
Number of Samples G3

BORING NO. K19

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. L3

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M Dadson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	Taylor Grenier	DATE FINISHED	11/17/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6712 DT
Type	NONE	Macro		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic
Inside Diameter (in.)		1.625		☐ ATV ☑ Geoprobe ☐ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	~~Casing Advance~~ Type Method Depth: Pr SH 8.8'
Hammer Fall (in.)				☐ Skid ☐ ____ ☑ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (10.6 EV ppm)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	P U S H	G1 22"	0.4	0-0.8 ND; 0.8-2.8 ND	0.4	SM	3/4" Minus GRAVEL - FILL -										
							Gray brown to near black silty SAND with gravel (SM), mps 1.5in, no structure, no odor, moist to wet, trace brick particles	10	10	10	20	25	25				
2							- FILL -										
	P U S H	G2 36"	2.8	2.8-4.8; 2.7/0.0	3.0	SM	Gray brown to brown to gray silty SAND with gravel (SM) disturbed with 15% ash and cinders in pockets or lenses and 5% clay in pieces or fragments, 5% brick fragments, trace wood, roots.	5	10	10	20	35	20				
4				4.8-6.8			- FILL -										
6				50.8/0.0			NOTE: high headspace reading from ~5.8'. Slight chemical-like odor										
	P U S H	G3	6.8	6.8-8.8	6.5	SW	NOTE: well graded SAND with gravel @ bottom of recovery. Brown to light brown well graded SAND (SW), mps 0.5in, no structure, no odor, moist.		10	20	30	30					
8					7.6		- FILL -										
							Gray CINDERS, ABIT and SLAG										
			8.8		8.2	SM	Dark gray to black silty SAND with gravel (SM), mps 1.5in, no structure, no odor, moist, 10% ash and cinders, trace brick - FILL	5	10	10	15	40	20				
					8.8		B.O.E. 8.8 ft										
10																	
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
			Not Checked		

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	8.0
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	—
U	Undisturbed Sample	Filter Sand	Number of Samples	G3
S	Split Spoon Sample	Cuttings		
G	Geoprobe	Grout	BORING NO.	L3
		Concrete		
		Bentonite Seal		

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY ALDRICH

GEOPROBE REPORT

BORING NO. L4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6712 DT
Type		Macro		☐ Truck ☐ Tripod ☐ Cat-Head	☐ Safety ☐ Bentonite
Inside Diameter (in.)		1.625		☐ ATV ☑ Geoprobe ☐ Winch	☐ Doughnut ☐ Polymer
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	☑ Automatic ☐ None
Hammer Fall (in.)				☐ Skid ☐ ☑ Cutting Head	Drilling Notes:

Casing Advance	
Type	Method Depth
Push	10.3'

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID 10.6 ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Push	G1 10"	0.3 / 1.3	0-1.3 ND	0.5		ASPHALT										
					0.8	SW	Tan well graded SAND with gravel (SW)	5	15	20	25	35	—				
				1.3-4.3		SC	Gray clayey SAND with gravel (SC), mps 1.3 in, no structure, no odor, moist.	10	10	5	10	30	35				
2	Push	G2 37"	1.3 /	ND			- FILL -										
					3.9		Degraded ASPHALT										
4	Push	G3 43"	4.3 4.3	4.3-8.3 ND	4.4	SM	Black silty SAND (SM), mps 1.4 in, no structure, no odor, moist, ~40% ash and cinders/slag. Vois @ 5.0 ft	5	5	10	15	45	20				
6	Push				5.8	SW	Brown poorly to well graded SAND with gravel (SW), mps 1.625 in, no structure, no odor, moist. Note: Brown silty SAND layer from 9.2-9.7 ft wet below 10.0 ft, ash layer @ bottom of recovery.	10	15	15	20	35	5				
8	Push	G4 20"	8.3 8.3 /	8.3-10.3 ND			- FILL -										
10			10.3		10.3		B.O.E. 10.3 ft										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT CHECKED	

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.3
Rock Cored (Linear ft.)	—
Number of Samples	G4
BORING NO.	L4

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. L5

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	D. Jacob	DATE FINISHED	11/24/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6610 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	Push		0.0		0.3		0.3' Bituminous Concrete											0-2.6 NP
2	Push	61 R=29"	2.6		3.8	SC	0.3 - 3.8 grey to the grey with red zones Clayey SAND w/gravel (SC) mpx 1.5", occasional layer of ash up to 3" thick, no odor, moist 10-15% Brick in fragments pieces and specks, occasional gravel pieces. -FILL-	5	15	5	20	35	20					
4	Direct push	62 R=30"	6.6		6.4	SM	3.8 - 6.4 black silty SAND w/gravel (SM) mpx 1.5", NO Stripes no odor, moist 70-80% ash, slag in fragments pieces and specks -ASH FILL-	15	10	20	35	20						2.6-6.6 ND
6																		
8	Direct push	63 R=35"	10.6		8.1	SM	6.4 - 8.1 light brown silty SAND (SM) mpx 0.10" NO stripes NO odor, moist - Hydraulic fill -				60	40						6.6-10.6 ND
10						SM	8.1 - 10.6' black, brown and grey Silty SAND w/gravel (SM) mpx 0.9", No stripes NO odor, wet @ 8.1' 100% ash, cinders slag in fragments pieces and specks - ASH FILL -	5	15	15	25	20	20					

BOE @ 10.6'

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.6
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	L5

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. L8A

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft.	Datum	Boring Location	SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — Push 11.1'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (PID 10.6 EV ppm)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	P U S H	G1 24"	0.0	0-3.1' ND	0.3		ASPHALT										
						SP-SM	Gray poorly graded SAND with silt and gravel, (SP-SM), mps 1.625, no structure, no odor, moist, crushed coal from 1.7-2.2 ft.	10	10	10	20	40	10			
							- FILL -										
2					2.2												
			3.1			CL	Dark gray brown lean CLAY with SAND (CL), mps 1.0 in, no structure, no odor, moist, 5% brick fragments, trace wood, ash, cinders.		5		5	15	75	N	L	L	
4	P U S H	G2 38"	3.1	3.1-7.1 ND			- COHESIVE FILL -										
6																	
			7.1	7.1-11.1 ND	7.1		Black CINDERS, ASH, SLAG, no structure, no odor, wet below ~ 7.6 ft.				N/A						
8	P V S H	G3 40"															
					9.0	CL	Olive gray brown lean CLAY (CL), mps 1mm, no visible structure, unnatural odor, wet.					5	95	N	L	L	
10																	
			11.1		11.1		BOE 11.1 ft										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT	
				CHECKED	

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	11.1
Rock Cored (Linear ft.)	—
Number of Samples	G3
BORING NO.	L8A

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M4

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft.	Datum	Boring Location	SEE PLAN		
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6712 DT
Type		Macro		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic
Inside Diameter (in.)		1.625		☐ ATV ☑ Geoprobe ☑ Winch	Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None
Hammer Weight (lb.)				☐ Track ☐ Air Track ☐ Roller Bit	Casing Advance: Type Method Depth — Push 9.8'
Hammer Fall (in.)				☐ Skid ☐ ☑ Cutting Head	Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID 10.6 eV Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	P U S H	G1 28"	0.0	0.0-3.8 ND	0.3		ASPHALT										
					0.7	SW	Gray well graded SAND with gravel (SW) mps 0.4in, no structure, no odor, moist to wet — FILL —		5	25	30	35	5				
2						CL	Gray Sandy lean CLAY (CL) with gravel mps 1.5 in, no structure, no odor, moist, 5% brick fragments. — COHESIVE FILL —	15	5	5	-	10	65	N	L	L	
4	P U S H	G2 33"	3.8	3.8-7.8 ND	3.6		VOCs @ 3.5 ft. ASPHALT										
					4.0	SP	Black CINDERS, SLAG and ASH, 25% poorly graded SAND (SP), mps 1.0in, no structure, no odor, moist — CINDER FILL —		5	10	20	60	5				
6					5.6	SW	Light brown well graded SAND with gravel (SW) mps 1.4in no structure, no odor, moist, trace brick particles. — FILL —	10	15	20	25	25	5				
8	P U S H	G3 19"	7.8	7.8-9.8 ND	7.5	SM/SW	Gray silty SAND (SM) disturbed with well graded SAND with gravel (SW) and 20% cinders and SLAG, no structure, no odor, moist to wet below ~ 8.0 ft, trace roots.					60	40 5				
			9.8		8.5		Dark olive gray lean CLAY with sand (CL), mps 1mm, no visible structure, unnatural odor, wet. — HYDRAULIC FILL —					15	85	N	L	L	
10					9.8		BOE 9.8 ft										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT CHECKED	

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	9.8
Rock Cored (Linear ft.)	—
Number of Samples	64
BORING NO.	M4

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M5

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/18
DRILLER	D. Jones	DATE FINISHED	11/24/18

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dual push		0.0		0.3		0.3' Bituminous Concrete											10.6ev PID
		G1 R=42"					0.3 – 4.1 gry clayey SAND w/gravel (SC) mpl=1.5", No stain no odor, moist, 15% gravel, brick, concrete in fragments pieces and specks layer of ash from 3.3-4.3' – FILL	5	10	10	15	35	25					0-4.1 NO
2																		
4	Dual push	G2	4.1		3.3 / 4.3		4.1-6.5' gry brn to light brn Silty SAND (SM) mpl=1.2" No stain no odor, moist – Hydraulic Fill VOC @ 6.0'					65	35					4.1 – 8.1 NO
6		R=33"																
					6.5	CL	6.5-10.1' gry lean clay (CL) mpl 0.7", occasional layer of ash and silty SAND w/ gravel at 8.9-9.2'	5		5	90							8.1 ↓ 10.1 NO
8	Dual push	G3	8.1		8.9 / 9.2	SM	– Hydraulic fill –											
		R=																
10			10.1				BOE @ 10.1											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.1; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. M5

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M6

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	D. Jacobs	DATE FINISHED	11/17/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength	
0	Dust pressure	G1	0.0		0.6		0.6' Bituminous Concrete Pavement 0.6 - 4.4 gry to dark gry silty SAND w/ gravel (SM) mps= 0.9", no stain no od, moist 20-30% Conc, asph, slag in fragments, partial cmed spots — FILL	10	10	10	15	30	25					10.6 PID 0-4.4 NO
2		R=37"																
4.4	Dust pressure	G2	4.4				4.4-8.4' olive gry to gry Silty Sand w/ gravel (SM) mps= 1.0", occasional intrusion of lean clay up to 0.75' thick, no od, moist, 25% ash, early slag, brick conc in fragments particles and spots — FILL											4.4 ↓ 8.4 0.3
6		R=36"																
8.4	Dust pressure	G3	8.4		8.4	CL	8.4-10.4 gry lean Clay (CL) mps= 0.05" no stain no od, moist, trace ash, wood in pockets and spots — FILL BOE @ 10.4'											8.4 ↓ 10.4 0.7
10.4		R=24"	10.4															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.4'
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	M6

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M7A

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A.F
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	T. Green	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 25	0	ND	5"		BLACK BITUMINOUS ASPHALT — Dark brown to black, silty SAND with gravel (SM), mps 1.0", no structure, no odor, moist, trace brick ash, asphalt and glass, trace pockets of poorly graded sand	5	10	10	10	40	25				
2		G2 44	2.6	2.6													
4																	
6		G3 42	6.6	6.2 6.6			ASPHALT LAYER										
							Black silty SAND (SM) intermixed with ash and cinders, mps 0.8", no structure, no odor, moist	5	5	10	10	40	30				
8					8.2		Gray, lean CLAY (CL), mps 0.4", no structure, no odor, wet, trace black staining in upper 0.4"					10	90				
10			10.6														
							BoE 10.6'										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~7.8

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.6
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	M7A

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M8

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — PUSH 10.7'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID 18.6 eV Well Diagram (ppm)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	PUSH	G1 26"	0.7	0.7-2.7 ND	0.4	SW	ASPHALT	20	15	35	25	5					
					1.0	(SM)	Gray well graded SAND with gravel (SW), mps 0.8 in, no structure, no odor, moist.				10	55	35				
2					2.4		Black degraded ASPHALT, disturbed with 20% silty SAND. - FILL -										
	PUSH	G2 41"	2.7	2.7-6.7 ND		CL	Dark gray brown clayey SAND with gravel gravel (CL), mps 1/16 in, no structure, no odor, moist	15	10	5	10	15	45	N	L	L	
4					5.0		NOTE: ASH CINDERS and SAND from ~5.0 - 5.5 ft.										
					5.5		VOCs @ 5.0 ft.										
6						CL											
	PUSH	G3 40"	6.7	6.7-10.7			COBBLE from 6.7 - 7.3'.										
8					7.4	SM	Black silty SAND with gravel (SM), 30% ash, cinders and slag, increasing with depth, no odor, wet below ~8.5 ft, becomes more coarse and less silty with depth, trace brick fragments. - CINDER FILL -		10	10	15	40	25				
10					9.9	CL	Olive gray brown lean CLAY (CL) mps 1mm, no visible structure, no odor, wet. - HYDRAULIC FILL -					5	95	N	L	L	
			10.7		10.7		BOE 10.7 ft										
12																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT CHECKED	

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 10.7
Rock Cored (Linear ft.) —
Number of Samples G3

BORING NO. M8

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. M19

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	D. Jacobs	DATE FINISHED	11/20/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	G1 R=30"	0.0 – 3.2		0.5 ft	SC	6inches of Asphalt; light grey, Clayey SAND with gravel (SC), mps 1.5, no structure no odor, moist. — FILL —	5	10	10	20	40	15					PID NON DETECT
2																		
	PUSH	G2 R=36"	3.2 – 7.2		5.0 ft		6 inch Layer of Concrete at 4.0 ft											
4						SM	Olive brown, dark brown, silty SAND with gravel (SM) mps 1.5 inch, no structure, no odor, moist to wet in pockets. 90% ASH, Cinders, slag in fragments, particles and specks. — FILL —	5	10	15	20	35	15					
6																		
	PUSH	G3 R=30"	7.2 – 11.2				VOC's at 8.0 ft											PID NON DETECT
8																		
10					11.2		— BOTTOM OF EXPLORATION 11.2 ft —											
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 11.2
Rock Cored (Linear ft.)
Number of Samples G3

BORING NO. M19

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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Vocs at 7.7'

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GEOPROBE REPORT

BORING NO. N5

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A.F.
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	taylor Green	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	—
Inside Diameter (in.)		1.625	—
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well~~ Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 40	0			SP	— BLACK BITUMINOUS ASPHALT — Black to gray silty SAND (SM) intermixed with poorly graded SAND with gravel (SP), mps 1.0", no structure, no odor, moist, wood layer from 3.4 to 3.6', trace ash and cinders	5	5	10	15	35	30				
2				ND			— FILL —										
4		G2 37	4		3.9	SP/CL	Tan to gray poorly graded SAND (SP) intermixed with lean CLAY (CL), mps 1.0", no structure, no odor, moist, 10-15% ash and cinder pockets	5	5	15	25	45	5				
6				ND			— FILL —										
8		G3 20	8		8.8												
				ND		CL	Gray lean CLAY (CL), mps 0.3", no structure, no odor, wet					10	90	S	M	L	L
10			10				BOE 10.0'										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.8

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	G3
BORING NO.	N5

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. N6

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	D. Jacobs	DATE FINISHED	11/17/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model 16620 GP

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust push		0.0		-0.5		0.5' Bituminous Concrete										
		G1 R=36				SM	, gy brn gvl Sdy SrtnD w/gvl (SM) mps=1.5' occasional intbds of lean clay up to 0.8' thk no odr, moist to wet in pockets										
					-1.5	CL		5	10	15	20	30	20				
2					-2.3		25% Brick, concrete, cinders, ash, slag in fragments pockets and specks										
4			4.0														
	Dust push	G2 R=47"															
6																	
					-7.0												
8			8.0				7.0-10.0' olive gy to olive brn lean clay (CL) mps=0.5", no structure no odr, moist - Hydraulic Fill						100	N	M	N	
	Dust push	G3 R=24"															
10			10.0		-10.0		BOE @ 10.0'										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (Linear ft.) 10.0
Rock Cored (Linear ft.)
Number of Samples 63

BORING NO. N6

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. N7

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A.F
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/27/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 46	0		0.5	SM	BLACK BITUMINOUS ASPHALT — Gray, Silty SAND with gravel (SM), mps 1.0", no structure, no odor, moist, trace brick	5	10	10	15	35	25				
2			4	ND			FILL										
4		G2 45	4		4.1		ASPHALT										
					4.8		Black, Silty SAND (SM) intermixed with ash and cinders, mps 0.8", no structure, no odor, moist		5	15	15	35	30				
6				ND	6.0		ASH FILL — Black to gray, Silty SAND with gravel (SM), mps 1.0", no structure, no odor, moist, 10-15% pockets of gray poorly graded SAND	5	10	10	15	35	25				
					6.9		FILL — Gray, Lean CLAY (CL), mps 0.2", no structure, no odor, moist, wet at 8.0					10	90	S	M	L	
8		G3 24	8														
			10.1	ND													
10							BOE 10.1'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.0

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.1; Rock Cored (Linear ft.) —; Number of Samples G3

BORING NO. N7

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC at 6.7

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GEOPROBE REPORT

BORING NO. N19A

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A.F.
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	T. Grenier	DATE FINISHED	11/20/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.125	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (PID PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	Dual pen	G1 R=29	0.0	ND	3"		— BLACK BITUMINOUS ASPHALT — Gray, Clayey SAND (SC), mps 0.5", no structure, no odor, moist, trace plastic and brick, trace pockets of non poorly graded sand		5	10	5	40	40				
2			2.7				— FILL —										
4	Dual pen	G2 R=32	2.7														
6			6.7		6.0	SM	Black to gray, Silty SAND with gravel (SM) mps 1.0" no structure, no odor, moist, 5-10% ash, trace brick										
	Dual pen	G3	6.7				— FILL —										
8		R=24			7.6		Gray, Sandy Lean CLAY (CL), mps 0.5", no structure, no odor, moist, trace brick, trace black staining from 7.7-7.8'		5	5	5	25	60	S	N	H	M
							— FILL —										
10			10.2				BCEC 10.2										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~9.5

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.2
Rock Cored (Linear ft.)	
Number of Samples	G3
BORING NO.	N19A

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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PID = ND throughout

Voc at 9.5

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GEOPROBE REPORT

BORING NO. N20

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	Taylor Geiner	DATE FINISHED	

Elevation	ft.	Datum		Boring Location	SEE PLAN
Rig Make & Model	6712 DT				

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	6P
☒ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~ (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP Push	G1 37	0		4"		— BLACK BITUMINOUS ASPHALT — Gray Silty SAND with gravel (SM) intermixed with Clayey SAND (SC), mps 0.9", no structure, no odor, moist, trace brick, glass and plastic, 10-15% asph	5	10	10	10	40	25				
2				ND													
4		G2 31	4	ND													
6				(7.2) 64.2	5.8		Black, Silty SAND with gravel (SM), mps 0.9" no structure strong petroleum odor, moist to wet, 10-15% asphalt, trace brick, oil sheen	10	10	5	10	35	30				
8		G3 27	8	(7.8) 89.9 (8.8) 42.1													
				(9.3) 231.0	9.0		Black to gray poorly graded SAND (SP), mps 0.5", no structure, petroleum odor, wet, oil sheen		5	5	20	65	5				
10			10.5	(10.3) 67.4													
							BOE 10.5'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.8

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.5
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	N20

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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10.3 = 67.4
~~7.1~~
9.3 = 231.0
8.8 = 42.1

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. 05

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	Taylor Grenier	DATE FINISHED	

Elevation	ft.	Datum	
Boring Location	SEE PLAN		

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)			

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 38	0	ND	5"		BLACK BITUMINOUS ASPHALT. Black to dark brown, silty SAND with gravel (SM), mps 0.9", no structure, no odor moist 5-10% asphalt, trace ash and cinders and glass	5	10	10	15	35	25				
2							FILL										
					3.6		ASPHALT										
4		G2 38	4		4.0		Black, silty SAND (SM), mps 0.8", no structure, no odor, moist, 20-25% ash and cinders, trace glass	5	5	10	20	30	30				
6				ND													
					7.0		Tan, poorly graded SAND with gravel (SP), mps 0.9", no structure, no odor, wet	5	10	15	20	45	5				
8		G3 24	8	ND	8.0		Gray, lean CLAY (CL) intermixed with poorly graded SAND with gravel (SP), mps 0.7", no structure, no odor, wet					10	90	S	M	M	M
10			10				BOE 10.0'										
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~7.5

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	
Number of Samples	63
BORING NO.	05

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 6.8'

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. 06

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / M Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☑ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — Push 9.5'

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID 10.6 EV Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	PUSH	G1 30"	0.0		0.5		ASPHALT										
2						SM	Gray to dark graybrown silty SAND with gravel (SM), mps 1.625 in (brick and concrete fragments), no structure, no odor, moist, 15% brick, 25% asphalt (3"-3.8"), 10% ash and cinders/slag, 10% wood, occasional clay fragments. - MI SL. FILL -	10	10	10	20		30				
							VOCs @ 3.0 ft.										
4	PUSH	G2 39"	4.0		4.5	SM	Black CINDERS, ASH and SLAG intermixed with 50% silty SAND with gravel (SM), mps 1.0 in, no structure, no odor, moist to wet below ~ 7.3 ft. NOTE: primarily CINDERS, ASH, SLAG below ~ 6.5 ft, wet in pockets. - CINDER FILL -										
6																	
8	PUSH	G3 13"	8.0														
			9.5		9.5		BOE. 9.5 ft.										
10																	
12																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
				NOT CHECKED	

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (Linear ft.)	9.5
Rock Cored (Linear ft.)	—
Number of Samples	G2

BORING NO. 06

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 07

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	T. Greiner	DATE FINISHED	11/23/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	PUSH		0.0		0.5		5 inches of Asphalt											PID 10.6
		G1 R=30				SM	light gray, Silty SAND with gravel (sm), mps 1.5, no structure, no odor, moist trace ash, cinders, brick 3.2 - 3.7 layer of wood — FILL	5	10	10	30	30	15					PID 0.0 PPM NON DETECT
2																		
4	PUSH		4.0		4.0													
		G2 R=38	4.0			SM	Black, Silty SAND (sm), mps 0.5, no structure, no odor, wet, 70% ASH — FILL —				10	60	30					PID 0.0 NON DETECT
					5.0		VOC'S at 5.0 ft											
6																		
					7.0	CL	Olive gray-olive brown, Lean CLAY (CL), mps 0.2, no structure, no odor, moist to wet in pockets — HYDRAULIC FILL —					15	85					PID 0.0 PPM NON DETECT
8	PUSH		8.0															
		G3 R=36	8.0															
			9.8		9.8		— BOTTOM OF EXPLORATION 9.8 —											
10																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 9.8
Rock Cored (Linear ft.)
Number of Samples 3

BORING NO. 07

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 08

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	T. GRENIER	DATE FINISHED	11/23/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☒ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	PUSH		0.0		0.6		6 inches of Asphalt											
		G1 R=38				SM	light grey, Silty SAND with gravel (SM), mps 1.65, no structure, no odor, moist, trace wood and brick fragments. 2 inch asphalt layer at 3.5 ft. — FILL —	5	10	10	30	30	15					PID 0.0 PPM
2																		
4	PUSH		4.0		4.0		Large granite cobble from 4-5 ft.											
		G2 R=40"			5.0	SM	tan, light brown, Silty SAND (SM), mps 0.5, no structure, no odor, moist — FILL —			10	30	40	20					PID 0.0 PPM
6					6.0		~~VOC's at 6.0 ft.~~											
						SM	Black, Silty SAND with gravel (SM), mps 1.5, no structure, no odor, wet in pockets, trace brick and ash — FILL —	5	10	5	20	40	20					PID 0.0 PPM
8	PUSH	G3 R=12"	8.0															
10			10.0		10.0		— BOTTOM OF EXPLORATION 10.0 —											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	
Number of Samples	G3

BORING NO. 08

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. 019

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/20/15
DRILLER	D. Jacobs	DATE FINISHED	11/20/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	Dual push	NOT SAMPLED	0.0				NO SAMPLE COLLECTED PUSHED THROUGH INTERVAL											PID 10.6
4	Dual push	62 R=28	3.9			SC	light brown-olive gray, Clayey SAND with gravel (SC), mps 1.25 inches, no structure, no odor, wet, 2 inch pocket of wet black ASH at 5.0 ft — FILL — VOC at 5.0 ft	5	10	16	30	40						PID 0.0 ppm
6			6.9		7.0 ft													
8	Dual push	63 R=48"	6.9			CL	Dark gray, lean CLAY with Sand (CL), mps 0.05 in, no structure, no odor, wet, pockets of Ash, Cinders — HYDRAULIC FILL —			5	10	85						PID 0.0 ppm
10			10.9															
12	Dual push	64 R=24"	10.9															PID 0.0 ppm
			12.9		12.9		— BOTTOM OF EXPLORATION 12.9 —											
14																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 12.9
Rock Cored (Linear ft.) —
Number of Samples 64

BORING NO. 019

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. P5

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	D. Jones	DATE FINISHED	11/24/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: Geo Zo DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength	
0	Direct push	G1 R=43"	0.0			SW	0.3' Bituminous Concrete pavement 0.3-3.2' gray to olive gray Silty Sand w/ gravel (SM) mps= 1.2", frequent pockets of clayey SAND w/ gravel up to 4" thick, no odor, moist, layer of ash till from 3.2' to 4.0' VOC @ 4.0'	5	15	15	20	25	20					0-4 NO
2																		
4	Direct push	G2 R=24"	4.0		4.0	SW	4.0 - 6.8' olive gray well graded SAND w/ gravel (SW) mps= 1.3", No Sheen no odor wet at 6.8' -FU-	5	15	20	35	20	5					4-6 NO
6																		
8	Direct push	G3 R=22"	6.8		6.8	CL	6.8-8.8' olive gray lean clay (CL) mps= 0.5", occasional pockets of ash and well graded SAND w/ gravel up to 3" thick - Hydraulic FU -	5			5	90	N	M	M			6.8-8.8 NO
10							BUEC 8.8'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	8.8'
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	P5

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. P7

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / Cmitri
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	T. Greiner	DATE FINISHED	11/23/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6710 DT
Type		GP		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety
Inside Diameter (in.)		1.65		☐ ATV ☑ Geoprobe ☐ Winch	☐ Doughnut
Hammer Weight (lb.)		–		☑ Track ☐ Air Track ☐ Roller Bit	☒ Automatic
Hammer Fall (in.)		–		☐ Skid ☐ ____ ☒ Cutting Head	Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	Field Test
0	PUSH	G1 R=38"	0.0		0.5	SM	0.5' of Asphalt light gray, Silty SAND with gravel (SM), mps 1.5, no structure, no odor, moist, trace brick, slag, Ash and Cinders – FILL –	10	10	10	20	25	15					PID 10.6 EV PID 0.0 PPM NON DETE
2																		
4	PUSH	G2 R=36	4.0		4.0	SM	Black, Silty SAND (SM) mps 0.5 no structure, no odor, wet, 50% ASH/Cinders from 4-5 ft – FILL		5		25	50	20					PID 0.0 PPM NON DETEC
					5.0													
6																		
					7.0	CL	Olive gray, Lean CLAY, (CL), mps 0.2, no structure, no odor, wet in pockets – HYDRAULIC FILL –					15	85					PID 0.0 PPM NON DETEC
8	PUSH	G3 R=14	8.0															
					9.4		– Bottom of Exploration 9.4 –											
10																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary

Overburden (Linear ft.)	9.4
Rock Cored (Linear ft.)	
Number of Samples	G3

BORING NO. P7

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. P8

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A. F.
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—		—
Hammer Weight (lb.)	—	PUSH	
Hammer Fall (in.)	—		

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☒ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID ~~Well Diagram~~	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 33	0	ND	5"		—BLACK BITUMINOUS ASPHALT— Gray to black silty SAND (SM), MPS 1.0", no structure, no odor, moist 5-10% asphalt, trace concrete, layer of asphalt/black staining from 3.4 to 3.9', trace wood trace pockets of poorly graded sand with gravel, trace slag	5	5	15	20	30	25				
2																	
4		G2 27	4														
6																	
8		G3 24	8		9.0		olive brown to gray Lean CLAY with sand (CL), MPS 0.8", no structure, no odor, wet			5	10	85					
10			10				BGE 10.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.3

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	G3
BORING NO.	P8

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 4.5'

PID = ND throughout

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. Q6

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ M. Dodson
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/18/15
DRILLER	Taylor Grenier	DATE FINISHED	11/18/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		Macro	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: B-712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — Push 8.6

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram (PID 10.6 EV) (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	P U S H	G1 36"	0.6	0-4.6' ND	0.4		ASPHALT										
					0.8	SW	Gray well graded SAND with gravel	10	20	20	25	20	5				
					1.2	CL	Gray sandy lean CLAY (CL), mps 0.5 in, no structure, no odor, moist, trace coal/cinders.	—	5	10	10	15	60				
					1.5		ASPHALT										
2						SW	Brown well graded SAND with gravel (SW), mps 1.5 in, no structure, no odor, moist, trace cinders, ash, slag.	15	20	15	20	25	5				
4							- FILL -										
			4.6														
	P U S H	G2	4.6	4.6-8.0 ND			NOTE: wet 5.9-6.2 ft.										
6					6.2	CL	Gray to olive gray lean CLAY (CL), mps < 1mm, disturbed, no odor, moist to wet.					5	95	N	L	L	
8							- HYDRAULIC FILL -										
			8.6		8.6		B.O.E. 8.6 ft										
10																	
12																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
			NOT CHECKED		

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.6; Rock Cored (Linear ft.) —; Number of Samples 62

BORING NO. Q6

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Q8

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/03/15
DRILLER	T. Grenier	DATE FINISHED	11/03/15

Elevation	ft.	Datum	
Boring Location	SEE PLAN		

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.65	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	PUSH		0.0				6 inches of Asphalt											
		G1 R=28			0.5	SM	light grey, Silty SAND with gravel (SM), MPS 1.65, no structure, no odor, moist, trace brick, ash — FILL —	10	10	10	25	30	15					PID 10.6 PPM
2																		PID 0.0 PPM NON DETECT
					3.0		VOC'S at 3.0 ft											
						SM	black, Silty SAND with gravel (SM), MPS 1.0, no structure, no odor, moist, pocket of Ash from 3.6-3.9' — FILL	10	10	10	10	40	20					PID 0.0 PPM NON DETECT
4	PUSH		4.0		4.5													
		G2 R=16"				SP	light gray-light brown, Poorly graded SAND with gravel (SP), MPS 1.65, no structure no odor, wet, occasional pockets of Gravel — FILL —	15	15	20	20	35	5					PID 0.0 PPM NON DETECT
6																		
8	PUSH	G3 R=10"	8.0															
			9.3		9.3		— BOTTOM OF EXPLORATION 9.3 —											
10																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.3
Rock Cored (Linear ft.)	
Number of Samples	G3
BORING NO.	Q8

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Q17

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/16/15
DRILLER	D. Tarr	DATE FINISHED	11/16/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model 660 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust push	61 R=32"	0.0		0.8		0.8' Bituminous Concrete Pavement 0.8-2.6' Brown to light silty SAND w/gravel (SM) mpk 1.0" No Stains no odor, moist	5	15	N	20	30	20					10.6 PID 0-4' ND
2					2.6 3.1		2.6-3.1' 0.5' Bituminous Concrete 3.1-4.0' light gray to dark gray Silty SAND (SM) mpk 1.0" occasional pockets of coal, cinders and slag – FILL –											
4		62 R=12	4.0		4.0	SP	4.0-8.1' gray poorly graded SAND (SP) mpk 0.1" No stains no odor wet – Hydraulic Fill –					100						
8	Dust push	63 R=18"	8.1		8.1	CL	8.1-10.1' gray lean clay (CL) mpk 0.05' occasional pockets of cinder, slag, ash in pockets and specs – Hydraulic Fill BOE @ 10.1'					100						
10			10.1															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.1; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. Q17

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOC taken at 6.5

HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. R7

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model: Geoprobe 7822 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 38	0	ND	5"		— BLACK BITUMINOUS ASPHALT — Gray to black, silty SAND with gravel (SM) mps 0.9" no structure, no odor, moist, layer of asphalt from 3.4 to 3.7, trace brick slag and wood, trace pockets of poorly graded sand, trace pockets of ash/cinders and pockets of asphalt	5	10	10	20	35	20				
2																	
4		G2 41	4	ND													
6				ND	6.7		Gray, Lean CLAY with sand (CL), mps 0.8", no structure, no odor, moist				5	10	85	S	M	M	M
8		G3 24	8		8.0		Brown to gray, poorly graded SAND with silt and gravel (SP), mps 1.0", no structure, no odor, wet	5	10	10	20	45	10				
10			10	ND													
							BOE 10.0										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.0

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	R7

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 4.3'

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GEOPROBE REPORT

BORING NO. R8

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	D. Jacob	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	6	—
Inside Diameter (in.)	—	1 3/8	
Hammer Weight (lb.)	—	—	
Hammer Fall (in.)	—	—	

Rig Make & Model: 6610 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 42	0	PID ↓ ND ↓	4"		BLACK BITUMINOUS ASPHALT — Black to dark brown, Silty SAND with gravel (SM), MPS 0.4", no structure, no odor, moist, trace brick	5	10	10	15	30	30				
2																	
					3.4												
							— ASPHALT —										
4		G2 39	4	4	4.0		Gray, poorly graded SAND with gravel (SP), MPS 1.0", no structure, no odor, moist	5	10				5				
6																	
					6.8												
							Gray, Lean CLAY (CL), MPS 0.5", no structure, no odor, moist to wet, trace pockets of fine poorly graded SAND				5	15	80				
8		G3 12	8	8													
				9			BOE 9.0										
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.0

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 9.0; Rock Cored (Linear ft.) —; Number of Samples G3

BORING NO. R8

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	T Green	DATE FINISHED	11/24/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	
Hammer Weight (lb.)	—	Auto	
Hammer Fall (in.)	—		

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (ppm)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	GP PUSH	G1 61 39	0	ND	5"		BITUMINOUS ASPHALT — Gray SILTY SAND with gravel (SM) mps 1.0" no structure, no odor moist, trace ash and cinders, and asphalt pockets	5	10	15	15	40	15				
							— FILL —										
2					2.9		Black, SILTY SAND with gravel (SM) mps 0.9", no structure, no odor, moist 10-15% pockets of ash/cinders, trace asphalt, trace slag	5	10	15	10	30	30				
4		G2 42	4	4			— FILL —										
6				ND													
					7.1		Gray to tan, poorly graded SAND with gravel (SP), mps 1.0", no structure, no odor wet	5	10	15	20	45	5				
8		G3 19	8	8			— FILL —										
					8.3		Gray, Lean CLAY (CL), mps 0.4", no structure, no odor, wet, trace peat and peat fibers				5	10	85	S	L	M	M
				ND													
10			10				BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~6.8

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10'
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	R12

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. R16

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / A. Fleming
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/25/15
DRILLER	Taylor Gremm	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—	—	

Rig Make & Model 6712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1	0				BLACK BITUMINOUS ASPHALT										
			4				NOTE: 4 refusals all at 1.7'										
2																	
4		G2	4														
			8														
6																	
8		G3	8														
			10														
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 1.6; Rock Cored (Linear ft.) —; Number of Samples G1

BORING NO. R16

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 4.5'

HALEY & ALDRICH

TEST BORING REPORT

BORING NO. R16

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/8/15
DRILLER	Damien Jacobs	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	HW	S	—
Inside Diameter (in.)	4.0	1 3/8	—
Hammer Weight (lb.)	300	140	
Hammer Fall (in.)	24	30	

Rig Make & Model: ☑ Truck ☐ Tripod ☒ Cat-Head; ☐ ATV ☐ Geoprobe ☒ Winch; ☐ Track ☐ Air Track ☒ Roller Bit; ☐ Skid ☐ ____ ☐ Cutting Head

Hammer Type: ☒ Safety ☒ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — HW Driven

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							NOTE: Drill wash indicates Asphalt from 0.0 – 0.9 NOTE: Drill wash indicates Concrete from 0.9 – 2.0										
2	15 38 24 30	S1 17	2 4			SM	very dense, black silty SAND (SM) mps 0.8", no structure, no odor, moist trace sandy organic soil, trace concrete, brick and glass, trace pockets of poorly graded sand	5	5	10	15	35	30				
							— FILL —										
4	13 16 16 14	S2 19	4 6			SM/SP	Dense, black to dark brown, silty SAND (SM) intermixed with poorly graded SAND (SP) mps 0.9" no structure, no odor, wet, trace brick, concrete, and ash	5	5	10	15	40	25				
6	13 15 12 14	S3 11	6 8			SM/SP	Similar to above except medium dense	5	5	10	15	40	25				
8	10 4 1 1	S4 0 PUSH 3"=13	8 10			CL/SP	Loose, black to brown, Lean CLAY with sand (CL) intermixed with poorly graded SAND (SP), mps 0.6", no structure, no odor, wet					10	90	R	L	L	L
							— HYDRAULIC FILL —										
10							BOE 10.0'										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
12/8/15	1000	—	—	4.0	~3.5

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.) —; Number of Samples 54

BORING NO. R16

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 6.0'

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GEOPROBE REPORT

BORING NO. S11

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	Taylor Grenier	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model: GEOPROBE DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 31	0		5"	SP-SM	— BLACK BITUMINOUS ASPHALT — Gray poorly graded SAND with silt and gravel (SP-SM), mps 1.0", no structure, no odor, moist	5	10	15	15	45	10				
							— FILL —										
2				ND													
			4		3.7		Black silty SAND, with gravel (SM), mps 0.8", no structure, no odor, moist, 15-20% asphalt, trace pockets of ash and cinders	5	10	10	10	35	30				
4		G2 33	4														
6				ND	6.0		Gray, Lean CLAY (CL), mps 0.5", no structure, no odor, moist					10	90	S	M	L	M
			8				wet at ~8										
8		G3 20	8														
				ND													
			10														
10							BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~8.0

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.); Number of Samples 63

BORING NO. S11

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. S16

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/25/15
DRILLER	D. Jacobs	DATE FINISHED	11/25/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT
Type		GP		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety
Inside Diameter (in.)		1.65		☐ ATV ☒ Geoprobe ☐ Winch	Hammer Type: ☐ Doughnut
Hammer Weight (lb.)		—		☒ Track ☐ Air Track ☐ Roller Bit	Hammer Type: ☒ Automatic
Hammer Fall (in.)		—		☐ Skid ☐ _____ ☒ Cutting Head	

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	PUSH	G1 R=25	0.0 → 3.4		0.3		4 inches of Asphalt											
						SM	light brown, silty SAND (SM), mps 0.5, no structure, no odor, moist, occasional piece of asphalt — FILL		5	10	30	40	15					PID 0.0 PPM NOT DETE
2																		
	PUSH	G2 R=21	3.4 → 7.4		3.0	SM	black, silty SAND with gravel (SM), mps 1.0, no structure, no odor, moist, 50% Ash, cinders, brick and slag in fragments, particles and specks — ASH FILL — VOC's at 5.0 ft	5	10	10	30	30	15					PID 0.0 NOT DETE
4																		
6																		
	PUSH	G3 R=17	7.4 → 9.4		8.0	CL	olive brown, lean CLAY (CL), mps 0.5, no structure, no odor, moist to wet in pockets — HYDRAULIC FILL			5	20	40	35					PID 0.0 PPM NOT DETE
8																		
							— BOTTOM OF EXPLORATION 9.4 —											
10																		

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	9.4
Rock Cored (Linear ft.)	
Number of Samples	G3
BORING NO.	S16

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. S17

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/16/15
DRILLER	D. Jacobs	DATE FINISHED	11/16/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety
Inside Diameter (in.)		1.625		☐ ATV ☐ Geoprobe ☐ Winch	☐ Doughnut
Hammer Weight (lb.)		—		☒ Track ☐ Air Track ☐ Roller Bit	☒ Automatic
Hammer Fall (in.)		—		☐ Skid ☐ ☐ Cutting Head	Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dark pick	G1 R-42"	0.0		0.5		0.5' bottom Cinder Ballast 0.5-4.0' gray to dark gray silty SAND w/ gravel (SM) mpr 1.2' No structure no odor, moist Layer of bottom Crush 1.7-2.0' Pockets of ash, cinders and slag 2.0-4.0' → Fill	5	10	10	15	35	25				
2					1.7 2.0												
4		G2 R-24"	4.0		4.0	CL	4.0-9.6' gray to dark lean CLAY (CL) mpr 0.05", occasional pockets of ash, cinders slag No odor, moist — Fill						100	M	M	M	
6																	
8		G3 R-23"	7.6		7.4												
10			9.6				Bottom 9.6'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (Linear ft.)	9.6
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	S17

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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VOCs at 5.5

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GEOPROBE REPORT

BORING NO. T12

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	T. Grenier	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AHC	
Hammer Fall (in.)	—	—	

Rig Make & Model: G712 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	PID Well Diagram (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 41	0	ND	4"		— BLACK BITUMINOUS ASPHALT — Gray poorly graded SAND with silt and gravel (SP-SM), mps 0.8", no structure, no odor, moist	5	10	15	20	40	10				
2																	
4		G2 40	4	ND	3.8		Black silty SAND (SM), mps 0.6", no structure, no odor, moist	5	5	10	10	45	25				
6					6.0		Gray, lean CLAY (CL), mps 0.3", no structure, no odor, moist (wet at ~9.0)					10	90	S	M	L	M
8		G3 23	8	ND													
10			10				BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~9.0

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	10.0
Rock Cored (Linear ft.)	—
Number of Samples	63
BORING NO.	T12

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. T13

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/11
DRILLER	D. Jacobs	DATE FINISHED	11/24/11

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	/	6	/
Inside Diameter (in.)	/	1.625	/
Hammer Weight (lb.)	/	–	/
Hammer Fall (in.)		–	

Rig Make & Model 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust push	61 R:30"	0.0		0.3	Sn	0.3" Bituminous Concrete 0.3 – 1.1' light gray Silty SAND w/ gravel (Sm) mpt: 0.8", no stains no odor, moist – FILL		20	15	15	30	20					106 CV PID 0-2 ND
1.1							1.1 – 6.0 Black Silty SAND w/ gravel (Sm) mpt: 0.5", no stains no odor, moist, 100% Ash, cinders slag in fragments particles and specks – ASH FILL VOC @ 3.5'		15	15	20	25	25					
2			2.0															
2.6	Dust push	62 R:30"	2.6															2.6 – 6.6 ND
4																		
6			6.6		6.0	CL	6.0 – 8.6 gray to olive gray lean clay (CL) mpt: 0.2", occasional pockets of ash up to 2" thick – Hydraulic FILL							10	N	M	H	6.6 – 8.6 ND
6.6	Dust push	63 R:29"	6.6															
8			8.6		8.6		BOEC @ 8.6'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.6; Rock Cored (Linear ft.) –; Number of Samples 63

BORING NO. T13

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. T16

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / AF
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/25/15
DRILLER	Taylor Gruen	DATE FINISHED	

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	—	G	—
Inside Diameter (in.)	—	1 3/8	—
Hammer Weight (lb.)	—	AUTO	
Hammer Fall (in.)	—		

Rig Make & Model: 6712 GP

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☒ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP PUSH

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	~~Well Diagram~~ PID (PPM)	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	GP PUSH	G1 14	0				BLACK BITUMINOUS ASPHALT										
							Gray to black SILTY SAND with gravel (SM), mps 1.6", no structure, no odor, moist, trace to 15% ash, brick and slag	5	10	10	15	40	20				
2				ND													
							FILL										
4		G2 17	4	4													
6				ND													
8		G3 24	8	8	7.7		Gray, Lean CLAY (CL), mps 0.4", no structure, no odor, wet, trace pockets of poorly graded sand			5	10	85					
10			10	ND			HYDRAULIC FILL										
							BOE 10.0'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
					~7.5

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 10.0; Rock Cored (Linear ft.); Number of Samples 63; BORING NO. T16

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. U11

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	D. Jacobs	DATE FINISHED	11/24/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☑ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☑ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth — 6P

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Dust push	61 R 34"	0.0		0.3	SM	0.0 – 0.3' Bituminous concrete flag											10.6 cu pid
					1.3		0.3 – 1.3 Gray Silty Sand w/ gravel (SM) mpr 0.9", No stains No odor moist – Fill		20	15	15	30	20					0-4' ND
2							1.3 – 4.3 Black silty sand w/ gravel (SM) mpr 0.8", No stains No odor, moist 100% asl, Cinder, slag in fragments particles and spots – ASH Fill VOC @ 3.0'											
4	Dust push	62 R 21"	4.1		4.3													4.1-8.1 ND
6						CL	4.3 – 8.1' Olive gray to gray lean clay (CL) mpr 0.05', No stains No odor moist – Hydraulic fill						59.5	N	M	M		
8			8.1				BOE @ 8.1'											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (Linear ft.)	8.1
Rock Cored (Linear ft.)	—
Number of Samples	62
BORING NO.	U11

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. U13

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/24/15
DRILLER	D. Jacobs	DATE FINISHED	11/24/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		G	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength	
0	Direct push	61 R=17"	0.0		0.3		0.3' Bituminous Concrete											10-Gen PID
					0.8	Sm	0.3-0.8' light gry silty SAND w/gravel (SM) MPS 0.9", no Stain no odor moist VOC @ 0.8' — FILL —		20	10	15	35	20					0-2.4 ND
2			2.4			Sm	0.8-6.3 Black silty SAND w/gravel (SM) MPS 0.9", No Stain no odor moist 10% ash, Cinder, slag in fragments pebbles and stones — ASH FILL —	15	15	20	30	20						
	Direct push	62 R=24"	2.4															2.4 - 6.4 ND
4																		
6			6.4		6.3													
	Direct push	63 R=24"	6.4			CL	6.3-8.4' gry to black gray lean CLAY (CL) MPS 0.3", occasional layer of ash up to 3" thick, no odor, moist in patches — Hydraulic Fill BCEC 8.4'					5	95	N	M	M		6.4 - 8.4 ND
8			8.4															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.4; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. U13

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. U-17

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/16/15
DRILLER	D. Jacobs	DATE FINISHED	11/16/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type	GP	G	
Inside Diameter (in.)		2.62	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust pun	G1 R=30"	0.0 – 4.0		0.6	SW	0.6' Bituminous Concrete pun 0.6 – 4.0' light brown to gray brown silty sand w/gravel (SW) MPS 0.8", no stain no odor 15% ash cinder, slag, brown in fragments particles and gravel	5	15	10	15	35	20	—			
2																	
4	Dust pun	G2 R=32"	4.0 – 7.2			CL	STRATUM CHANGE AT 4.0' 4.0 – 9.2' Dark gray lean clay with sand (CL) MPS 0.05", measured pieces of ash, cinders and slag, no odor noted -Hydraulic Fluid- VOC @ 7.0'					15	35	N	M	M	—
6																	
7.2	Dust pun	G3 R=23"	7.2 – 9.2			CL											
9.2							BIEC 9.2'										
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 7.2; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. U17

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. W17

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/16/15
DRILLER	D. Jacobs	DATE FINISHED	11/16/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust push	G1 R=34"	0.0		0.5	SW	0.5' Bituminous Concrete Pavg 0.5-4.0' gray brown to olive gray Silty SAND w/ gravel (SM) MPS=1.5" No Stains No odor moist, trace ash, cinder, slag, concrete in pockets and spots - -FCC-	5	15	10	20	30	20				
2																	
4	Dust push	G2 R=32"	4.0		4.0	CL	VOC @ 4.0' 4.0-8.9' Gray lean CLAY (CL) MPS=0.50", occasional pockets of ash, No odor, moist - hydraulic FCC-						100	N	M	M	-
6			6.9														
	Dust push	G3 R=	6.9														
8			8.9		8.9		BOE @ 8.9'										
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.9'; Rock Cored (Linear ft.) —; Number of Samples 63

BORING NO. W17

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. W18

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/16/15
DRILLER	D. Jacobs	DATE FINISHED	11/16/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.3		0.3' Bituminous Concrete										
		61 R=33				SM	0.3 – 4.5' gry to dark gry Silty SAND w/ gravel (SM) mpl=1.0' No struct. No odor wet in places 15-20% Asb, cinder slag in frgmt particles – and spoon – FILL	5	15	10	15	35	20				
2																	
4			4.0		4.5												
		62 R=				CL	4.5 – 9.0' gry lean clay (CL) mpl=0.05' occasional pockets of ash, cinder and slag, in frgmts particles and spoons – Hydraulic Fill VOC@ 6.0'						10	N	M	n	
6																	
7			7.0														
		63 R=				CL											
9			Gd				BVEC Gd										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	Summary	
O	Open End Rod	Riser Pipe	Overburden (Linear ft.)	Gd
T	Thin Wall Tube	Screen	Rock Cored (Linear ft.)	–
U	Undisturbed Sample	Filter Sand	Number of Samples	63
S	Split Spoon Sample	Cuttings		
G	Geoprobe	Grout		
		Concrete	BORING NO.	W18
		Bentonite Seal		

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. XII

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/23/15
DRILLER	H. Workner	DATE FINISHED	11/23/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: VAC TRUCK

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ VAC ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — VAC

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	VACUUM EXCAVATION				0.8		0.5' Bituminous Concrete Pavement										
							0.8-4.0 Gry Silty SAND w/ gravel (SM) mpr=4.0', No stain no odor, moist - Fill; occasional layers of coarse gravel up to 4" thick; VOC @ 2.0'	10	15	15	25	20	15			
2						SM											
					4.0												
						SM	4.0 - 5.2' gry brn Silty Sand (SM) mpr=0.8', No stain No odor, moist; wet @ 5.1'	15	10	15	45	15				
5					5.1	½											
					5.2												
							5.2-6.0 light gry to gry Silty Sand w/ gravel (SM) mpr=0.6' No stain, no odor wet - Fill	20	15	20	25	20				
						SM											
6					6.0												
						GP	6.0 - 7.8' gry poorly graded gravel (GP) mpr=1.5', No stain No odor wet - Fill	30	60		5	5				
7																	
					7.8												
8							Limit of excavation at 7.8'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 7.8'; Rock Cored (Linear ft.) —; Number of Samples —

BORING NO. XII

Field Tests — Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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~~GEOPROBE~~ VAC REPORT

BORING NO. X14

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Ham Workman	DATE FINISHED	11/30/15

Elevation	ft.	Datum	
Boring Location	SEE PLAN		

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: VAC TRUCK

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ VAC ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: VAC

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.7		7 inches of Asphalt										
						Sm	light brown, Silty SAND with gravel (sm) mps 0.5 inches, no structure, no odor, moist	15	10	5	25	30	15				
2							-FILL-										
					3.0	Sm	brown, Silty SAND (sm), mps 0.5 inch, no structure no odor, moist	5	5	25	40	25					
4							-FILL-										
					5.0		VOC'S at 5.0 ft										
6						Sm	olive brown, Silty SAND (sm), mps 0.3 inch no structure, no odor, wet.										
					7.0		-HYDRAULIC FILL-				25	50	25				
							-water at 7.5 ft-										
							-BOTTOM OF EXPLORATION 8.3ft										
8																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
11/30	14:00		—	7.5ft	7.5ft

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 8.3
Rock Cored (Linear ft.)
Number of Samples Diameter of hole 6-8 in

BORING NO. X14

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

~~GEOPROBE~~ VAC REPORT

BORING NO. X15

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	~~D. PALLEIKO~~ / CM
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	HAM Workman	DATE FINISHED	12/1/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: VAC TRUCK

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ VAC TRUCK ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: VAC

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.6		6 inches of Asphalt										
						SM	light brown, Silty SAND with gravel (SM), mps 3 inch, no structure, no odor, moist – FILL	15	10	10	20	30	15				
2																	
					3.0	SM	black-brown, Silty SAND with gravel (SM), mps 0.5 inches, no structure, no odor, moist Pockets of Ash, cinders and brick in particles and specks. – FILL –	5	10	5	25	40	15				
4					4.5		VOC's at 4.5 ft –										
					5.6	SM	Olive brown, Silty SAND (SM), mps 0.3 inches, no structure, no odor, wet – HYDRAULIC FILL –			25	20	40	15				
6					6.5		water at 6.5 ft										
8					8.4		– BOTTOM OF EXPLORATION 8.4 ft –										
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
12/1	1			8.4	6.5

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.4; Rock Cored (Linear ft.) —; Number of Samples —

BORING NO. X15

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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~~GEOPROBE~~ VAC REPORT

BORING NO. X16

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PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/1/15
DRILLER	Ham Workman	DATE FINISHED	12/1/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: VAC TRUCK

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ VAC TRUCK ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: VAC

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0					0.6		6 inches of Asphalt										
						SM	light brown, Silty SAND with gravel (sm), mps 3 inches, no structure, no odor, moist - FILL	10	10	10	25	30	15				
2																	
4					4.0	SM	brown, Silty SAND (sm), mps 0.5 inches, no structure, no odor, moist - FILL		5	10	20	50	15				
							-VOC'S at 5.0 ft-										
					5.5	SM	Black, Silty SAND (sm), mps 0.5 inch, no structure, no odor, wet - FILL-			5	25	50	20				
6																	
					7.0		Olive brown, Silty SAND (sm), mps 0.3 inch, no structure, no odor, wet - HYDRAULIC FILL-			5	15	60	20				
					7.5 - 8.0		-water encountered at 7.5-8 ft										
8																	
					8.6		-Bottom of exploration 8.6ft-										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
12/1		—	—	8.6	7.5-8ft

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 8.6 ft
Rock Cored (Linear ft.)
Number of Samples

BORING NO. X16

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

~~TEST~~ VAC BORING REPORT

BORING NO. X17

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	12/8/15
DRILLER	Ham	DATE FINISHED	12/8/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: VAC TRUCK

☑ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ VAC/AIR KNIFE ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: VAC

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0					0.6		6 INCHES OF ASPHALT										
						SM	light brown, silty SAND with gravel (SM), mps 3 inches, no structure, no odor, moist — FILL-	15	10	10	20	30	15				
2						SM	light brown, silty SAND with gravel (SM), mps 2 inches, no structure, no odor, moist — FILL-	10	5	10	20	40	15				
4							VOC'S at 4.0 ft-										
					4.5	SP	brown, poorly graded SAND (SP), mps 0.5 inch no structure, no odor, moist — FILL-		5	10	40	40	5				
6					5.8	SM	dark brown, black, silty SAND (SM), mps 0.3 inch, no structure, no odor, wet trace ash — FILL-			10	15	50	25				
						SM	olive brown, silty SAND (SM), mps 0.3 inch, no structure, no odor, wet — HYDRAULIC FILL-			10	10	50	30				
8					8.0		water at 8.0 ft-										
					8.7		-BOTTOM OF EXPLORATION 8.7ft-										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
12/8	10:30	—	—	8.7	8ft

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 8.7
Rock Cored (Linear ft.)
Number of Samples

BORING NO. X17

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

VAC GEOPROBE REPORT

BORING NO. X18

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/30/15
DRILLER	Ham Workman	DATE FINISHED	11/30/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: VAC TRUCK

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☒ VAC ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance — Type Method Depth: VAC

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0							7 inches of Asphalt										
					0.7	SM	light gray, silty SAND with gravel (SM), mps 2.5 inches, no structure, no odor, moist — FILL —	15	10	5	25	30	15				
2					2.0	SM	brown, silty SAND (SM), mps 0.5 inch, no structure, no odor, moist — FILL —	5	10	25	45	15					
4																	
							— VOC'S at 5.0 ft										
					5.5	SM	Olive brown, silty SAND (SM), mps 0.2 inch, no structure, no odor, wet. — HYDRAULIC FILL —				10	60	30				
6							water table reached at 7.0 ft										
					7.0		— BOTTOM OF EXPLORATION 8.8 —										
8																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
11/30	11:30		—	7.0 ft	7.0 ft

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.8; Rock Cored (Linear ft.); Number of Samples; Diameter of Hole 6-8 in

BORING NO. X18

Field Tests Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. Y11

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	D. Jacobs	DATE FINISHED	11/17/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.625	
Hammer Weight (lb.)		-	
Hammer Fall (in.)		-	

Rig Make & Model 6620 GE

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	PUSH	G1 R=38"	0.0		0.5	GP	gray, Poorly graded fine gravel		100								
							1.5 - 2.00 feet Concrete										
2						SM	brown, Silty SAND with gravel (SM), mps 2.0", no structure, no odor, moist, ash, cinders, slag and coal in particles and specks. — FILL / ASH FILL — VOC at 4.0"	10	10	15	25	25	15				
4	PUSH	G2 R=31"	4.0 4.6		4.5	CL	Olive brown, Lean CLAY (CL), mps 0.1", no structure, no odor, wet, — HYDRAULIC FILL —						100	N	M	M	M
6																	
8			8.6				BOTTOM OF EXPLORATION 8.6"										
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon Sample; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (Linear ft.) 8.6; Rock Cored (Linear ft.) —; Number of Samples 68

BORING NO. Y11

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

BORING NO. Y12

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	D. Jacobs	DATE FINISHED	11/17/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		GP	
Inside Diameter (in.)		1.67 in	
Hammer Weight (lb.)		—	
Hammer Fall (in.)		—	

Rig Make & Model: Geoprobe DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☒ Geoprobe ☐ Winch
☒ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☒ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth: GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dut pun	G1 R-33"	0.0		0.5	GP	Gry poorly graded fine sand		100								
2			3.0			SM	brown, Silty SAND with gravel (SM), mps 2 inches, no structure, no odor, moist — FILL —	10	10	20	25	20	15				
							VOC'S at 3.0										
	Dut pun	G2 R-28"	3.0		3.0	SM	brown-black, Silty SAND, (SM) MPS 1.5 inches no structure, no odor, wet in pockets, ash Cinders, slag, and coal in particles and specks — FILL / ASH FILL —		5	15	20	30	30				
4					4.5	CL	Olive grey - olive brown, Lean CLAY (CL), mps 0.1" no structure, no odor, wet — HYDRAULIC FILL —						100	N	M	M	M
6																	
			7.0														
8	Dut pun	G3 R-	7.0														
9			9.0				Bot @ 9.0'										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
11/17					

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) 9
Rock Cored (Linear ft.) 9
Number of Samples G3

BORING NO. Y12

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. Y13

Page 1 of 1

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO /
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	D. Jacob	DATE FINISHED	11/17/15

Elevation	ft.	Datum		Boring Location	SEE PLAN
Item	Casing	Sampler	Core Barrel	Rig Make & Model	6620 DT
Type		6		☐ Truck ☐ Tripod ☐ Cat-Head	Hammer Type: ☐ Safety
Inside Diameter (in.)		2		☐ ATV ☒ Geoprobe ☐ Winch	☐ Doughnut
Hammer Weight (lb.)		-		☒ Track ☐ Air Track ☐ Roller Bit	☒ Automatic
Hammer Fall (in.)		-		☐ Skid ☐ ☒ Cutting Head	Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance: Type Method Depth: 6D

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dur pern	6' R-36"	0.0		0.6	GP	0.6' Poorly graded Gravel		100								
2			3.1				0.6-7.1 Ridgy red, black and gry Silty SAND w/ gravel (SM) mpS=1.5", No Stuff no odr, most 15-20% Brick Concrete, ash, in fragments particles and spots -Fill-	5	15	10	20	30	20				
4		62 R	3.1														
6			7.1				VOC @ 6.0'										
8			7.1			CL	7.1-9.1' Gry to olive gry lean CLAY (CL) mpS= 0.1" No Stuff no odr moist - Hydraulic Fill							100 NMH			
9			9.1				BOEC 9.1'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon Sample		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (Linear ft.)	9.1'
Rock Cored (Linear ft.)	
Number of Samples	63
BORING NO.	Y13

Field Tests Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High

Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE REPORT

BORING NO. Y14

PROJECT	BCEC PHASE 2 TSCA CHARACTERIZATION	H&A FILE NO.	12486-566
LOCATION	BOSTON, MA	PROJECT MGR.	M. CRONAN
CLIENT	MCCA	FIELD REP.	D. PALLEIKO
CONTRACTOR	GEOLOGIC EARTH EXPLORATION, INC.	DATE STARTED	11/17/15
DRILLER	D. Jacobs	DATE FINISHED	11/17/15

Elevation ft. | Datum | Boring Location SEE PLAN

Item	Casing	Sampler	Core Barrel
Type		6	
Inside Diameter (in.)		2	
Hammer Weight (lb.)		–	
Hammer Fall (in.)		–	

Rig Make & Model: 6620 DT

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — GP

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretatio	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	Dust press	G1 R=36"	0.0 4.5		0.6	GP	0.6'		100								
1						SM	0.6 – 4.5' Red-gry, gry and black silty SAND w/ gravel (SM) mpr 1.2", No structure, no odor, moist 10-15% Brick in fragments pieces and spots	5	10	10	15	30	20				
4	Dust press	G2 R	4.5 7.5		5.2	CL	Vol @ 5.0'										
6							5.2 – 9.5 gry to dark gry lean clay (CL) mpr 0.1", No structure No odor, moist, 10% – Hydraulic Fill						100	N	L	M	–
8	Dust press	G3 R	7.5 9.5			CL											
10							Bot @ 9.5' 9.5'										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (Linear ft.) 9.5
- Rock Cored (Linear ft.)
- Number of Samples 6.3

BORING NO. Y14

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

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APPENDIX C

Laboratory Data Reports

(Provided Electronically on CD/DVD)

APPENDIX D

Risk Characterization

TABLES

Table D-1 - Soil Summary Statistics, COPC and EPCs – Parking Area Backfill
Table D-2 - Soil Summary Statistics, COPC and EPCs – TSCA (0 – 2 ft bgs)
Table D-3 - Soil Summary Statistics, COPC and EPCs – AB (0-15 ft bgs)
Table D-4 - Soil Summary Statistics, COPC and EPCs – Under EM1 Cap (all depths)
Table D-5 - Soil Summary Statistics, COPC and EPCs – Outside EM1 Cap (less than 17 ft amsl)
Table D-6 - Exposure Parameters
Table D-7 - Toxicity Values
Table D-8 - Risk Summary

ATTACHMENTS (*provided electronically on CD*)

Attachment A – Soil Data Sets
Attachment B – UCL Calculations
Attachment C – Risk Calculations
Attachment D – Blood Lead Calculations
Attachment E – Summary of Analytical Data QC Non-Conformances

1 Introduction

This human health risk assessment (HHRA) is an Appendix to the Toxic Substances Control Act (TSCA) Work Plan for a portion of the Boston Convention & Exhibition Center (BCEC) Project site located in Boston, Massachusetts. The TSCA Work Plan was prepared in support of a Risk-based Disposal Approval request for polychlorinated biphenyls (PCBs), as specified in 40 CFR 761.61(c). The objective of this HHRA is to provide a quantitative estimate of the risk posed to humans through potential exposure to PCB-contaminated soil at the TSCA Site under future land use conditions which consider remediation of the TSCA Site. The results of the HHRA are used to support the proposed cleanup remedy for the site.

1.1 SITE DESCRIPTION

The Boston Convention & Exhibition Center (BCEC) consists of two separate parcels, Phase 1 and Phase 2. Construction within Phase 1 of the BCEC is complete and included the current BCEC building, located at the intersection of Summer Street and D Street in South Boston. Recent plans for redevelopment of Phase 2 of the BCEC included an expansion of the existing Convention Center building which would cover the majority of Phase 2. It is now clear that the expansion of the BCEC will not occur in the near future, and that the current and future foreseeable use of the BCEC Phase 2 area is a controlled access parking lot. This HHRA applies to a portion of the Phase 2 area, west of the former C Street (referred to herein as the "TSCA Site"), and is shown on Figures 2 and 4 of the accompanying TSCA Work Plan.

The TSCA Site currently consists of a portion of the BCEC parking lot located southwest of the current BCEC building. The limits of the TSCA Site are within the Phase 2 area and are generally bounded by New Cypher Street to the southwest, a portion of the BCEC Phase 2 parking lot to the southeast (starting around the former C Street location), railroad right-of-way adjacent to the South Boston Bypass Haul Road to the northwest (Parcel 20B), and an access roadway to the northeast (beyond which is the existing BCEC building). The limits of the TSCA Site are shown of Figure 4 of the accompanying TSCA Work Plan.

1.2 HISTORICAL SITE USE

The BCEC project site is comprised of several parcels that have been used for industrial and commercial purposes for over 100 years. Such uses included railway lines and freight storage, stockyard, machine shops, and scrap metal storage. Further details of historical site uses are provided in the accompanying TSCA Work Plan.

From 1947 to 1985, a portion of the TSCA Site owned by Louis Freedman was operated as The Boston Junk Company. SAK Recycling Corporation bought this portion of the TSCA Site (referred to herein as the SAK property) in 1992, and continued operating the junkyard until 1996, when it was ordered by the Massachusetts Department of Environmental Protection (MassDEP) to cease activities.

Although specific releases at the SAK property were not documented by SAK Recycling Corporation or prior owners of the property, records of various incidents were recorded by previous consultants and regulators dating back to 1982. Incidents were reported to have included storage of transformers, disassembly of transformers by blowtorch, leaking transformers, and on-site fires. A series of investigations conducted by environmental consultants at the SAK property detected the presence of total petroleum hydrocarbons (TPH), PCBs, and metals in soils.

1.3 HISTORICAL RESPONSE ACTIONS

Several response actions have been conducted at the TSCA Site (i.e., the Phase 2 area, west of the former C Street, which includes the SAK property) as part of construction and/or remediation activities, including the indirect thermal desorption treatment and off-site removal of approximately 3,500 cy of soil/debris from the SAK property in the early 2000s. Following off-site disposal of the soil and debris, a protective asphalt cap (referred to as the EM-1 Cap) was built on the SAK property as a temporary installation by the Boston Redevelopment Authority, to provide a paved surface for construction laydown and to eliminate potential exposure to underlying oil and hazardous materials in soil. The extent of the EM-1 Cap is shown on Figure 4 of the TSCA Work Plan. Further details of response actions conducted at the TSCA Site are provided in the accompanying TSCA Work Plan.

1.4 CURRENT SUBSURFACE CONDITIONS

The Phase 2 area (both east and west of the former C Street) was used as a temporary soil staging area during construction of the existing BCEC building. Approximately 250,000 cy of Fill material excavated from Phase 1 was temporarily stockpiled above the EM-1 Cap. The majority of the Phase 1 Fill that was stockpiled in the Phase 2 area was characterized and removed during construction of the BCEC. However, approximately 25,000 cy of Phase 1 Fill material was retained (i.e., not disposed of) in order to raise the grade of the Phase 2 area to create the existing parking lot in the Phase 2 area (hereafter this Fill material is referred to as "Parking Area Backfill".) Thus, current stratigraphy at the TSCA Site generally consists of the following layers (not all layers were encountered at each boring, and the EM-1 Cap does not extend across the entire TSCA Site):

- Bituminous pavement (i.e., the current parking lot surface; comprised of 3.5 inches of bituminous pavement)
- Parking Area Backfill (ranging in thickness from approximately 6 inches in the eastern portion of the Site to more than 3 feet in the central and western portion of the Site)
- EM-1 Cap (comprised of 6 inches of bituminous pavement)
- Historic Urban Fill
- Hydraulic Fill
- Organic Deposits
- Marine Deposits
- Glacial Deposits
- Bedrock

A description of these strata is provided in the TSCA Work Plan. Subsurface soil profiles were generated based on subsurface explorations performed by Haley & Aldrich between 2010 and 2015. The subsurface exploration locations are shown on the figures in the accompanying TSCA Work Plan.

1.5 SITE REDEVELOPMENT AND REMEDIATION

Initially, redevelopment plans for the BCEC Phase 2 area consisted of construction and expansion of the existing Convention & Exhibition Center building over the Phase 2 area, including a portion of the TSCA Site. However, expansion of the BCEC building has been indefinitely postponed. Therefore, the Phase 2 area will remain a controlled access parking lot that serves the BCEC for the foreseeable future.

Consequently, remediation of the TSCA Site and restoration of the parking lot in the Phase 2 area is proposed.

Remediation of the TSCA Site, which will occur within the limits of the TSCA-regulated area, involves excavation and off-site removal of Hot Spots (as defined in the Massachusetts Contingency Plan) and soils containing concentrations of PCBs greater than or equal to 500 mg/kg. A summary of the remedial approach and sequencing are provided below and details are provided in the TSCA Work Plan.

1. Strip asphalt from the existing parking lot surface to expose the Parking Area Backfill that was placed over the EM-1 Cap and former ground surface in 2005.
2. Excavate and temporarily stockpile Parking Area Backfill (on site) to expose the EM-1 Cap and former ground surface in areas where excavation will occur to remove Hot Spots and soil with PCB concentrations greater than or equal to 500 mg/kg.
3. Excavate through the EM-1 Cap and below the EM-1 Cap or former ground surface for those areas outside of the EM-1 Cap (conservatively assumed to be El. 17) to remove Hot Spots and soil containing PCB concentrations greater than or equal to 500 mg/kg and dispose of the soil and asphalt (generated from EM-1 Cap removal) off-site (Figure 13 in TSCA Work plan).
4. Place a marker layer over the excavation and backfill the excavation with Parking Area Backfill and imported soils to the bottom of the existing EM-1 Cap or to the subgrade elevation for areas outside the EM-1 Cap.
5. Place a 6-in thick asphalt cap above the backfill material within the limits of the existing EM-1 Cap, followed by additional backfill to achieve the subgrade elevation within the EM-1 Cap area.
6. Restore the TSCA Site to its previously existing condition (paved parking lot with 6 inches of dense graded crushed stone and 3.5 inches of asphalt, or a rip rap drainage area).

At the completion of Step 6 (above), the TSCA Site will be remediated and returned to use as a controlled access parking lot.

1.6 ORGANIZATION OF RISK ASSESSMENT REPORT

The HHRA consists of the following major components:

- Data Evaluation
- Exposure Assessment;
- Toxicity Assessment;
- Risk Characterization, and
- Uncertainty Analysis.

Section 2, Data Evaluation, reviews the analytical data collected at the TSCA Site and provides the rationale for the subset of analytical data and specific data sets that are used in the risk assessment. This section also provides the methods used to statistically summarize and present analytical data.

Section 3, the Exposure Assessment, provides information documenting the human populations that could access or use the TSCA Site under current and possible future land use conditions, discusses how those populations could potentially be exposed to the PCBs in TSCA Site media, and quantifies how much exposure could occur. Specific components of the Exposure Assessment include descriptions of current and future land uses, sources of contamination and exposure media, exposure pathways, and exposure scenarios, and documentation of exposure point concentration (EPC) and exposure intake calculations.

Section 4, Toxicity Assessment, discusses the chemical-specific toxicity criteria for COPCs that are used to quantify the potential human risks. Section 5, Risk Characterization, provides the methods for calculating the noncarcinogenic and carcinogenic risks for each receptor and provides a summary of the results of the risk evaluations. Any qualitative evaluations of risk are also presented in the risk characterization. Section 5 also includes an Uncertainty Analysis, which presents a discussion of both the inherent and site-specific uncertainties associated with the risk assessment. Section 6, Summary and Conclusions, presents a discussion of results of the risk assessment.

Appendices to this report provide supporting documentation for EPC and risk calculations.

1.7 APPLICABLE GUIDANCE

The HHRA was performed following standard United States Environmental Protection Agency (EPA) guidelines including the following documents:

- *Risk Assessment Guidance for Superfund (RAGS)*, *Volume I, Part A* (EPA, 1989);
- *RAGS, Volume I, Part E, Dermal Risk Assessment* (EPA, 2004)
- *RAGS, Volume I, Part F, Inhalation Risk Assessment* (EPA, 2009)
- *Standard Default Exposure Factors* (EPA, 2014)
- *Exposure Factors Handbook* (EPA, 2011)
- *Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites* (EPA, 2002a)

A complete list of references is presented in the references section.

2 Data Evaluation

The data evaluation identifies the available data and documents the selection or exclusion of particular data for use in the risk assessment, provides the rationale for the way data will be grouped for evaluation in the risk assessment, and documents the methods used to summarize data using statistical descriptors.

2.1 DATA SOURCES AND DATA QUALITY

The Risk Assessment for the TSCA Site is based on data collected by Haley & Aldrich during four extensive subsurface exploration programs conducted at the TSCA Site between 2010 and 2015. Historic data was not used given that lack of horizontal or vertical controls of those sampling programs. The quality of data collected during investigations is acceptable for use in risk assessment as described below.

Data were selected for use in the HHRA using the criteria established by USEPA in "Guidance for Data Usability in Risk Assessment" (USEPA, 1992). The data are a product of sample collection and handling, laboratory analyses, and data Quality Assurance/Quality Control (QA/QC) procedures performed in accordance with USEPA methods. The following bullets provide a brief summary of the types of samples that were collected by Haley & Aldrich:

- Surface and subsurface soil samples were collected from direct push borings (e.g., Geoprobe™ or equivalent), and drilled borings. Soil samples were generally collected as two-foot composites (e.g., 0 – 2 ft bgs, 2 – 4 ft bgs). However, some borings were sampled over a larger interval (e.g., 0 – 4 ft bgs). In addition, some borings were sampled over smaller intervals (e.g., 0 – 1 ft bgs) to refine delineation of the nature and extent of PCBs.
- Groundwater samples were collected using low-flow sampling techniques from monitoring wells. Haley & Aldrich began groundwater sampling for PCBs as part of a Maintenance and Monitoring plan in April 2004 and has conducted sampling on a biannual basis from April 2004 through May 2016. Haley & Aldrich also collected two rounds of groundwater sampling in 2010 and 2011 for various other constituents.

2.1.1 Chemical Analyses

Samples collected from media at the TSCA Site were analyzed using the following analytical methods:

- Volatile Organic Compounds (VOCs): Method 8260B
- Semi-Volatile Organic Compounds (SVOCs): Method 8270C
- Total Petroleum Hydrocarbon (TPH)
- Extractable and Volatile Petroleum Hydrocarbons
- PCBs: Method 8082 using soxhlet extraction
- Metals: Method 6010

2.1.2 Data Quality

The samples selected for use in the HHRA have undergone data validation or review. A representativeness evaluation and data usability assessment (REDUA) was performed for the data collected from the 2010/2011 subsurface investigation program and included the Class C-2 RAO

Statement, dated 29 June 2012, for RTN 3-16211. In summary, data from the 2010/2011 subsurface investigation program are of appropriate quality for incorporation into this TSCA Work Plan.

The data collected from the 2015 subsurface investigation programs were also reviewed in consideration of the National Functional Guidelines and MassDEPs Policy #WSC07-350 "Guidance "MCP Representativeness Evaluations and Data Usability Assessments". Some of the data were qualified and the QC non-conformances are detailed in Attachment G.

Quality control limits for two samples from the 2015 subsurface investigation program were beyond data quality assessment control limit criteria described in Appendix IV of MassDEP Policy #07-350. A brief discussion of each sample follow:

- 2,4,6 tribromophenol surrogate recovery was below 10% in sample M14A_S1_2-7.5. This surrogate is associated with acid extractable compounds only and other acid extractable surrogate recoveries in this sample were acceptable. Since acid extractable compounds are not principal contaminants of concern at the TSCA Site, the results for sample M14A_S1_2-7.5 are accepted without further qualification and are suitable for the intended use.

- A Field Matrix Spike of sample C15a_S1_5.0-9.0 indicated total lead matrix spike duplicate recovery outside recommended limits due to high lead concentration in the native sample. Total lead recoveries were acceptable in the matrix spike for this and other project samples. Therefore, the results for sample C15a_S1_5.0-9.0 are accepted without further qualification and are acceptable for the intended use.

In summary, no data were rejected and the data set is therefore suitably appropriate for incorporation into this TSCA Work Plan.

2.2 EXTENT OF TSCA REGULATED SOIL

As currently understood, the horizontal limits of the TSCA-regulated soil are defined by PCBs that are present at concentrations greater than or equal to 1 mg/kg within the former Boston Junk/SAK Site and a portion of the adjacent former Energy International property and are shown on Figure 4 of the TSCA Work Plan. The TSCA Site includes a strip of New Cypher Street.

The vertical limits of the TSCA-regulated soil are defined as soil with PCB concentrations greater than or equal to 1 mg/kg below the ground surface that existed at the completion of the EM-1 Cap (either at the bottom of the EM-1 Cap or El. 17 in areas where the EM-1 Cap is no present). The most elevated concentrations of PCBs were detected in the Historic Urban Fill material at the central and southern portions of the TSCA Site, below the EM-1 Cap area, from the former ground surface to approximate El. 8 (approximately 0 to 14 ft bgs, currently). Lesser concentrations of PCBs were detected in the Hydraulic Fill and Organic Deposits.

2.3 OTHER SOIL

The Parking Area Backfill that was removed from the Phase 1 area and placed at the TSCA Site contains very low levels of PCBs (where detected, at generally less than 10 mg/kg) that, in our opinion, were not due to a TSCA release and are therefore not regulated under TSCA. As described in the accompanying Work Plan, the PCBs detected in the Parking Areas Backfill are consistent with PCBs detected in Urban

Fill material in Phase 1 of the BCEC and within several other properties in this area of South Boston, none of which were subject to regulation under TSCA.

VOCs, SVOCs, metals, and petroleum compounds were detected in Parking Area Backfill soil and soils that are regulated under TSCA. These constituents are not regulated under TSCA, but are instead regulated under the Massachusetts Contingency Plan (MCP) at 310 CMR 40.0000. Although these constituents are included in this HHRA to provide an estimate of total cumulative health risk, they must ultimately be shown to meet a Condition of No Significant Risk as defined in 310 CMR 40.0900 to achieve regulatory closure under the MCP.

2.4 DATA USED IN HHRA

The following data sets are compiled for use in the HHRA. Samples included in each of the data sets, as well as the analytical data for the samples, are identified in Attachment A. Soil sample locations are shown on Figure 4 of the TSCA Work Plan.

2.4.1 Soil

Soil data are used in the HHRA to evaluate potential direct contact (incidental ingestion and dermal contact) and inhalation (particulate and vapor) risks that may occur if people were to contact soil under the proposed re-use conditions. The soil data includes 2,427 PCB soil samples collected between 2010 and 2015 by Haley & Aldrich. Soil samples were segregated into the following data sets:

1. Parking Area Backfill: samples collected from above the EM-1 Cap or above former ground surface (El. 17) in areas outside of the EM-1 Cap.
2. Surface soil (0 – 2 ft bgs): samples collected from depths within two feet of the ground surface. Samples that were collected from depths that straddle the 2 ft bgs interval were conservatively included in the 0 – 2 ft bgs data set. Samples that are within two feet of the ground surface but were collected from depth beneath the EM-1 Cap were not included in the 0 – 2 ft bgs data set because the presence of the EM-1 Cap eliminates potential exposure to soils beneath the Cap.
3. New Cypher Street: samples collected from 0-15 feet below ground surface (ft bgs) from sampling grid columns A and B.
4. Soil Beneath EM-1 Cap: samples collected from locations within the footprint of the EM-1 Cap and at elevations below the EM-1 Cap. Samples that were collected form grids located both within and outside of the EM-1 Cap were assigned to the EM-1 Cap data set if 75% or more of the grid was located beneath the Cap.
5. Soil Outside of the EM-1 Cap: samples collected from below El. 17 in grids located outside of the EM-1 Cap.

2.4.2 Data Not Used in HHRA

Soil data that are not used in this HHRA include:

- Soil containing PCBs greater than 500 ppm that will be removed as part of remediation.
- Data from soil samples collected outside the TSCA-regulated area.
- Five samples that will be removed as part of remediation which are considered to be Hot Spots under the MCP (310 CMR 40.0006) and have exposure point concentrations of antimony, lead, and/or PCBs greater than MCP Upper Concentration Limits (310 CMR 40.0996).

The soil samples with constituents present at concentrations greater than MCP Upper Concentration Limits must be remediated in order to achieve regulatory closure under the MCP. This HHRA is based on the understanding that samples associated with the conditions listed in the bullets above will be remediated and will therefore not be representative of post-remedial TSCA Site conditions. Soil samples that will be remediated are shown in Figure 13 of the TSCA Work plan. Post-remedial PCB concentrations are shown in Figure 14 of the TSCA Work plan.

In addition, groundwater has been evaluated in samples collected by Haley & Aldrich from 2004 through 2016. As described further in the TSCA Work Plan, the results of groundwater sampling indicate that PCBs are not present in the dissolved state in groundwater, and that PCBs are not migrating via groundwater flow. As such, groundwater data were not further evaluated in this HHRA.

2.5 DATA SUMMARIZATION METHODS

The analytical data for each data set that was developed in support of the HHRA was summarized into descriptors which identify:

- Frequency of detection (number of positively detected results/total number of results)
- Range of detected concentrations
- Average of all samples, including detected results and ½ the reporting limit for those samples for which a constituent was non-detect.

The following procedures were applied when summarizing the analytical data for the HHRA:

- For samples in which both an original and a field duplicate result are available, both results are used.
- For samples in which analyte concentrations are detected outside the calibration range, and the samples are diluted and reanalyzed, data with the highest detected concentrations were used in the risk assessment.

Total PCB concentrations were calculated using analytical data for Aroclors, as follows:

- For soil samples in which only some Aroclors were detected, total PCBs were summed as the detected Aroclor values plus ½ the reporting limit for Aroclors that were not detected.
- For soil samples in which no Aroclors were detected, the total PCB concentration used in the data set was ½ the highest reporting limit among all Aroclors.

2.6 CHEMICALS OF POTENTIAL CONCERN

COPCs are chemicals that may pose more than a *de minimis* health risk. The primary COPC for the TSCA Site is PCBs, and PCBs are the only TSCA-regulated substance evaluated in this HHRA. However, in order to evaluate cumulative risks associated with potential exposures to multiple chemicals (i.e., TSCA-regulated PCBs and other non-TSCA regulated chemicals), a COPC selection was performed for all detected chemicals within each of the soil data sets.

The COPC selection is performed by using a concentration-toxicity screening to reduce the number of chemicals evaluated in the risk assessment to only those that would potentially pose more than a *de minimis* health risk (USEPA, 1989). The procedure used to select COPCs for the HHRA is summarized as follows, and is consistent with USEPA methodology (USEPA, 1995):

A. Comparison to Available Criteria:

- Selected as a COPC in soil if the maximum detected concentration exceeds the USEPA Regional Screening Level (RSL) for industrial soils (USEPA, 2016a).

The RSLs are protective for direct contact (ingestion and dermal contact) exposures, as well as for inhalation of constituents that may be released to air. The RSLs are derived for a 1 in 1 million ($1x10^{-6}$) cancer risk level or a non-cancer hazard quotient (HQ) of 1. Per USEPA Region 1 guidance (USEPA, 1995), the RSLs based on non-carcinogenic effects are adjusted to represent a HQ of 0.1 for the purposes of COPC selection. The use of industrial soil RSLs to select COPCs represents a conservative approach since uses of the TSCA Site will be non-residential, the majority of soil will be covered by hardscapes, and contact with soil will generally not occur. This approach results in selection of some chemicals as COPCs for soil that, under the site-specific exposure conditions, will be associated with less than a *de minimis* risk.

B. Low Frequency of Detection:

- Despite other criteria, an analyte is not selected as a COPC if the frequency of detection is 5 percent or less (USEPA, 1989).

The results of the COPC selection for each data set are provided in Tables D-1 through D-5. The following notes are used to denote the reasons for selection or exclusion of analytes as COPCs:

ASL: Above Screening Level - The concentration used for COPC screening (the maximum detected concentration) is greater than the RSL; the analyte is therefore selected as a COPC.

BSL: Below Screening Level - The concentration used for COPC screening (the maximum detected concentration) is less than the RSL; the analyte is therefore not selected as a COPC.

NSL: No Screening Level - There is no screening value available; the analyte is therefore selected as a COPC.

FOD: Frequency of Detection - The frequency of detection is below 5%; the analyte is therefore not selected as a COPC.

COPCs selected in soil generally include PCBs, PAHs, antimony, arsenic, lead, thallium, and petroleum hydrocarbons. In data sets for soils beneath the EM-1 Cap and outside of the EM-1 Cap, additional COPCs include chlorinated benzenes, benzene, and mercury.

3 EXPOSURE ASSESSMENT

The exposure assessment is conducted to evaluate the populations of humans that may potentially use or access the TSCA Site under the current and possible future land use conditions, the mechanisms or exposure pathways by which those humans may be potentially exposed to COPCs at the TSCA Site, and the magnitude of exposure that may occur through the potential exposure pathways. This process involves three steps:

1. Characterization of the exposure setting in terms of physical characteristics, current and future uses of the TSCA Site, and the populations that may be potentially exposed to COPCs under the current and possible future land uses;

2. Identification of potential exposure pathways and exposure points to which the populations may be exposed; and

3. Quantification of exposure for each population from all exposure pathways. Exposures are quantified by developing receptor exposure scenarios, identifying EPCs, and then calculating chemical intakes.

These components are provided in the sections below.

3.1 CHARACTERIZATION OF THE PHYSICAL SETTING

The TSCA Site is located in an urban area of South Boston and currently consists of a portion of the BCEC parking lot located southwest of the current BCEC building. The limits of the TSCA Site are within the Phase 2 area and are generally bounded by New Cypher Street to the southwest, a portion of the BCEC Phase 2 parking lot to the southeast (starting around the former C Street location), railroad right-of-way adjacent to the South Boston Bypass Haul Road to the northwest (Parcel 20B), and an access roadway to the northeast (beyond which is the existing BCEC building). The majority of the TSCA site is paved (e.g., where the parking lot is located). Portions of the TSCA Site located near the South Boston Bypass Haul Road and Cypher Street are unpaved. Future use of the TSCA Site will be as a paved parking lot to support the Convention & Exhibition Center. The area surrounding the TSCA Site is characterized as primarily commercial, with some industrial and residential use.

3.2 IDENTIFICATION OF RECEPTORS AND POTENTIAL EXPOSURE PATHWAYS

3.2.1 Receptors

Current receptors at the TSCA Site include BCEC workers and visitors who use the parking lot. In addition, it is possible that trespassers access the parking lot during off-hours. Future receptors at the TSCA Site include the same receptors as those associated with current use, plus construction workers who may be engaged in parking lot maintenance, repair, and repaving, and construction and utility workers who may perform improvements and maintenance of Cypher Street. Deed restrictions will be placed on the TSCA Site to prevent use for residential, school, day care, and outdoor active recreational uses (e.g., sports playing fields). In addition, the deed restriction will require soil management and health and safety plans to be followed during any excavation of soil beneath the EM-1 Cap or beneath EL 17 at locations outside of the Cap; replacement of the EM-1 Cap will also be required.

3.2.2 Potential Exposure Pathways

An exposure pathway describes the course a chemical takes from the source to the exposed individual. Exposure pathway analysis links the sources, locations, and types of environmental releases with population locations and activity patterns to determine the significant pathways of human exposure. Exposure pathways generally consist of four elements:

(1) a source and mechanism of chemical release,
(2) a retention or transport medium,
(3) a point of potential human contact with the contaminated medium (known as the exposure point), and
(4) an exposure route at the contact point (e.g., ingestion of soil, inhalation of vapors) (USEPA, 1989).

In order for the exposure pathway to be considered potentially complete, all four elements must be present. Elimination of exposure pathways may occur based on site-specific conditions, for example if the probability of exposure occurring is low or if the impact of the exposure pathway is expected to be minor in comparison to other exposure pathways (EPA, 1989). Exposure pathways may also be made incomplete through use of institutional or engineering controls, for example by applying deed restrictions which prevent certain property uses from occurring, or requiring that a ground cover (such as a soil cap or concrete) remain in place. Potentially complete exposure pathways at the TSCA Site are listed below.

3.2.2.1 *Current Use*

The TSCA Site is currently used as a parking lot and a portion of a public roadway (Cypher Street). The TSCA Site has minimal exposure potential to human receptors because the TSCA Site is covered by at least 3.5 inches of bituminous pavement over six inches of dense graded stone, six inches of crushed stone over filter fabric, or 18 inches of rip rap over filter fabric. Visitors and trespassers would be expected to access the TSCA Site but would not be exposed to TSCA Site soils due to the presence of pavement or stone over TSCA Site soil.

3.2.2.2 *Future Use*

Future planned development of the TSCA Site will include continued use as a parking lot to support the Convention Center, and a public roadway (Cypher Street). Several future use scenarios were evaluated to demonstrate that the planned remediation of the TSCA Site will ensure that health risks are acceptable for these uses.

3.2.2.3 *Exposure Routes*

There are three exposure routes by which humans can be exposed to COPCs in soil. The exposure routes include ingestion, dermal contact, and inhalation. More than one exposure route may be applicable to each of the exposure media evaluated in the HHRA.

Ingestion. Ingestion exposures occur when substances are swallowed. When an environmental medium such as soil that contains COPCs is swallowed, the chemicals can be absorbed into the blood stream from the gastrointestinal tract and/or directly interact with tissues within the gastrointestinal tract. Most ingestion exposures to environmental media are incidental in nature, meaning that they are non-

intentional. For example, soil can be incidentally ingested if it is touched and adheres to the hand, and the hand (fingers) is then placed into the mouth, where the soil can be transferred to the mouth and swallowed.

Dermal Contact. Dermal exposures occur when a substance is absorbed through the skin following direct contact with the substance in an environmental medium. For soil, this process requires adherence of the soil to the skin, desorption of a chemical from the soil, and subsequent absorption through the skin.

Inhalation. Inhalation exposures can occur when a substance is present in an individual's breathing zone. Once inhaled, a substance can be either exhaled or retained in the pulmonary system. Retained substances can diffuse through respiratory-tract surfaces into the blood stream, interact directly with lung cells, or become entrained in airway mucous, translocate up to the pharynx, and be swallowed into the gastrointestinal tract. Inhalation exposures to COPCs can occur by inhaling dust or particulates to which the COPCs are adsorbed, and by inhaling vapors in air.

Inhalation of dust or particulars can occur if soil is disturbed by wind, vehicle traffic, or human activity such as construction/excavation, and releases dust into the breathing zone of the air. Generally, only the particulate fraction in air that is 10 micrometers or smaller, termed the PM10 fraction of particulates, is available for inhalation.

Inhalation exposures to vapors can occur when volatile substances are released from soil to ambient (outdoor) air or when VOCs migrate from soil to air within an occupied building (this pathway is referred to as vapor intrusion). The vapor intrusion pathway is not complete because no occupied buildings will be located at the TSCA Site.

3.2.2.4 *Potentially Complete Exposure Pathways*

That exposure pathways that may be complete at the TSCA Site include:

- Commercial worker and visitor incidental ingestion, dermal contact, and dust and vapor inhalation exposure to unpaved soil.
    - Under current conditions, only small amounts of unpaved soil are present adjacent to Cypher Street and near the South Boston Bypass Haul Road. The Parking Lot Backfill is the soil that is nearest to the ground surface and is therefore representative of the unpaved soil to which receptors would potentially be exposed to under current use conditions.
    - Under future use conditions, the TSCA site will be the same as current conditions (the majority of the area paved, with small isolated unpaved areas); potential exposures to soil by commercial workers and visitors are therefore unlikely. However, potential exposures to surface soil are evaluated for these receptors to help determine if parking lot pavement must remain in-place to mitigate potential exposures. The 0 – 2 ft bgs soil data set is used to evaluate future surface soil exposures to commercial workers and visitors.

- Construction worker incidental ingestion, dermal contact, and dust and vapor inhalation to soil. This assumes that a construction or utility worker engaged in maintenance or improvements at the TSCA Site could contact:
    - soil beneath parking lot; the 0 – 2 ft bgs soil data set is used to represent soil that could potentially be contacted by construction workers during maintenance or repair of the parking

lot

- soil at and beneath and adjacent to Cypher Street; the Cypher Street (0 – 15 ft bgs) data set is used to represent soil that could potentially be contacted by construction workers who maintain or improve Cypher Street.

3.2.2.5 *Incomplete Exposure Pathways*

There are no complete exposure pathways to soil beneath the EM-1 Cap and soil deeper than El. 17 at areas outside of the EM-1 Cap because deed restrictions will require that any soil that is excavated from these locations and depths be managed under a soils management plan and health and safety plan.

3.3 ESTIMATION OF EXPOSURE POINT CONCENTRATIONS

The USEPA defines the EPC as the representative chemical concentration a receptor may contact in an exposure area over the exposure period (USEPA, 1989). Separate EPCs are calculated for each COPC at exposure point.

The typical concept of human exposure within a defined exposure area is that an individual contacts the contaminated medium on a periodic and random basis. Because of the repeated nature of such contact, the human exposure does not really occur at a fixed point but rather at a variety of points with equal likelihood that any given point within the exposure area will be the contact location on any given day. Thus, exposure areas should be identified in consideration of the likelihood of a receptor contacting all areas within the exposure area with equal probability, and the EPCs should be the arithmetic averages of the chemical concentrations within the exposure area. However, to account for uncertainty in estimating the arithmetic mean concentration, the USEPA recommends that an upper confidence limit (UCL) on the mean be used to represent the EPC. In accordance with USEPA guidance (USEPA, 2002a), EPCs for soil are based on the lesser of the 95 percent UCL on the arithmetic mean concentration (95% UCL value) or the arithmetic mean in the data set.

- The 95% UCL values are calculated using the ProUCL software (V. 5.0; USEPA, 2014). The ProUCL software performs a goodness-of-fit test that accounts for data sets without any non-detect observations, as well as data sets with non-detect observations. The software then determines the distribution of the data set for which the EPC is being derived (e.g., normal, lognormal, gamma, or non-discernable), and then calculates a conservative and stable 95 percent UCL value in accordance with the framework described in "Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites" (USEPA, 2002a). The software includes numerous algorithms for calculating 95% UCL values, and provides a recommended UCL value based on the algorithm that is most applicable to the statistical nature of the data set.

- The arithmetic mean concentrations for lead are calculated using the average of all detected values.

Tables D-1 through D-5 present the 95% UCLs and selection of EPCs. UCL calculations are documented in Attachment B. EPCs for PCBs are based on 95% UCL values for total PCBs.

3.4 ESTIMATION OF INTAKES

3.4.1 Exposure Scenarios

Exposure scenarios are used to quantitatively describe the COPC exposures that could theoretically occur for each land use and exposure pathway evaluated. The exposure scenarios are used in conjunction with EPCs to derive quantitative estimates of COPC intake or exposure. The ultimate goal of developing exposure scenarios, as defined in USEPA guidance, is to identify the combination of exposure parameters that results in the most intense level of exposure that may "reasonably" be expected to occur under the current and future site conditions (USEPA, 1989). As such, a single exposure scenario is often selected to provide a conservative evaluation for the range of possible receptors and populations that could be exposed at the TSCA Site under a given land use. For example, when evaluating commercial land use, a commercial worker scenario that is modeled to be protective for the full time workers who are employed at the facility (i.e., people who are there all the time) is protective for all other receptor populations (such as visitors, landscaper workers) and, therefore, it unnecessary to also evaluate those other, less-exposed, receptor populations.

The exposure scenarios that are used to evaluate health risks associated with the potentially complete exposure pathways for possible future land use conditions are described below. EPA has established default exposure assumptions for quantifying theoretical exposure doses of COPCs for the scenarios listed below (EPA, 2002; 2014). Where default exposure parameters were not available, parameters were identified based on professional judgment to reflect site-specific conditions. Exposure parameters are presented in Table D-6. The exposure scenarios evaluated in this risk assessment are:

- Commercial worker: A full-time employee (adult worker) who is assumed to work indoors (e.g., office worker) but be exposed to soil outdoors (e.g., on breaks) 250 days per year over a 25-year period.

- BCEC visitor: Children, adolescents, and adults who are assumed to visit the TSCA Site and be exposed to soil in the landscaped area two days per week during non-winter months over the course of 26 years.

- Future construction worker: An adult worker who is assumed to be involved in earthwork and other activities 5 days per week for 50 weeks over a one-year period. For this scenario, enhanced soil ingestion and dermal contact rates are used to simulate more intensive contact that might be associated with earth work activities.

3.4.2 Intake Equations

Exposures to COPCs are quantified by calculating intakes for representative receptor populations that may use or access the TSCA Site under the various future land use conditions. This section describes the process that is used to quantify PCB exposure.

The process for calculating intakes involves quantifying the amount of COPCs within each exposure point that a receptor population is exposed to, by considering the types of activities that a receptor population would be engaged in (e.g., excavation work vs. working indoors) and the ages of the receptor population (e.g., children vs. adults). From this information, receptor exposure scenarios are developed that relate the activities that could result in exposure to values that can be used to quantify exposure. The quantitative values are called exposure parameters.

Fundamentally, intake is thus a function of EPC and exposure parameters:

Intake = (EPC) x (Exposure Parameters)

For ingestion and dermal exposure routes, the general equation for calculating intake is as follows; specific algorithms and parameter values are provided in Attachment D:

$$Intake = \frac{EPC \times CR \times EF \times ED \times CF}{AT \times BW}$$

Where:

Intake	=	Average daily intake of COC from soil or water at the exposure point during the period of exposure (mg/kg/day)
EPC	=	Exposure Point Concentration (mg/kg)
CR	=	Contact Rate (mg/day) Ingestion: Ingestion rate (mg/day) Dermal absorption: Skin surface area (cm^2/day) x adherence factor (mg/cm^2) (soil) x absorption factor (unitless)
EF	=	Exposure Frequency (days/year)
ED	=	Exposure Duration (years)
CF	=	Conversion Factor
AT	=	Averaging Time (days) (equal to ED for non-cancer evaluation; equal to 70 years for cancer evaluation)
BW	=	Body Weight (kg)

The intake is calculated as an average daily intake or an average daily lifetime intake. The average daily intake represents the total intake that occurs over the period of exposure, divided by duration of exposure. This intake term is used to quantify intakes for evaluating non-carcinogenic effects. The average daily lifetime intake represents the total intake that occurs over the period of exposure, divided by the length of a lifetime (defined by EPA as 70 years). This intake term is used to quantify intakes for evaluating carcinogenic effects.

The methodology for evaluating inhalation exposures differs from that used for other exposure pathways in that the toxicity values used are reference concentrations (RfCs) and unit risks (URs) instead of reference doses (RfDs) and cancer slope factors (CSFs) (USEPA, 2009a). Because concentration and not dose is the basis for these toxicity values, body weight, and respiration rate are not directly used in calculating risk estimates for carcinogenic and non-carcinogenic chemicals. The general equation for calculating chemical exposure via inhalation is as follows:

$$Exposure\ Concentration = \frac{CA \times ET \times EF \times ED}{CF \times AT}$$

Where:

Exposure Concentration = representative concentration of PCBs in the air at the exposure point during the period of exposure (mg/m^3)

CA = concentration of the COC in air (mg/m^3),

EF = exposure frequency (days/year),

ED = exposure duration (years),

ET = exposure time (hours/day)

CF = conversion factor (24 hours/day)

AT = averaging time (for carcinogens, AT = 70 years times 365 days per year; for noncarcinogens, AT = ED times 365 days per year).

The specific equations used to calculate intake and exposure are those presented in EPA guidance (USEPA, 1989; 2004; 2009a), and are provided in Attachment C.

4 TOXICITY ASSESSMENT

The purpose of the toxicity assessment is to weigh available evidence regarding the potential for particular contaminants to cause adverse effects in exposed individuals; and to provide, where possible, an estimate of the relationship between the extent of exposure to a contaminant and the increased likelihood of adverse effects (EPA, 1989). The toxicity assessment is composed of two parts:

- Hazard Identification - Hazard identification is the process of determining whether the exposure to a contaminant can cause an increase in the incidence of a particular adverse health effect. Hazard identification also involves characterizing the nature and strength of the evidence that adverse effects may occur as a result of exposure to an agent; and

- Dose Response Evaluation - Dose response evaluation is the process of quantitatively evaluating the toxicity information and characterizing the relationship between the dose of the contaminant received and the incidence of adverse health effects in the receptors. From this quantitative dose-response relationship, toxicity values can be derived to estimate the potential for adverse effects in receptors that may have been exposed to different concentrations of the specific agent.

In accordance with EPA guidance, hazard identification and dose-response evaluation are performed for non-carcinogenic health effects and carcinogenic health effects. Separate toxicity values are identified for each of these endpoints and risks are characterized separately for each of these endpoints.

Non-cancer Toxicity Values

The noncarcinogenic toxicity values used in the risk calculations for chronic exposure periods (exposures lasting seven years or more) include the chronic reference dose (RfD) for oral and dermal exposures and the chronic reference concentration (RfC) for inhalation exposures. RfD and RfC values represent the dose (RfD) or air concentration (RfC) that is associated with no observable adverse health effects for all populations (including sensitive subpopulations) and are derived from animal studies or human epidemiological studies. Chronic toxicity values were used for the commercial worker and visitor scenarios.

Subchronic exposures are considered to be exposures lasting from several days up to 7 years. Subchronic RfD and RfC values have been developed to evaluate these exposures and are used for the construction worker scenario. Where subchronic toxicity values are not available, the chronic RfD and RfC values for are used as a substitute.

Cancer Toxicity Values

Toxicity values for compounds producing carcinogenic effects are the Cancer Slope Factor (CSF) or the Unit Risk (UR) for oral/dermal and inhalation exposures, respectively. Unlike RfD or RfC values, most CSF and UR values are based on the assumption that there is no threshold dose for carcinogenicity; i.e., there is no dose at which there is no risk of developing cancer. CSF and UR values are derived by EPA using data obtained from animal studies or human epidemiological studies. The CSF is considered to be a measure of the cancer-causing potential of a substance as a result of continuous exposure throughout a lifetime (assumed to be 70 years), and is defined as the 95 percent upper confidence limit of the slope of the dose-response curve extrapolated to low doses.

USEPA has developed new carcinogen risk assessment guidelines (USEPA, 2005a) that revise and replace the previous carcinogen risk assessment guidelines. However, the carcinogen risk assessments for many

of the constituents listed in USEPA's IRIS database still follow the classification system developed in the previous guidance (USEPA, 1999). The classification system in the previous guidance was developed according to the weight of evidence from epidemiologic and animal studies:

Group A - Human Carcinogen (sufficient evidence of carcinogenicity in humans)

Group B - Probable Human Carcinogen (B1 - limited evidence of carcinogenicity in humans; B2 – sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans)

Group C - Possible Human Carcinogen (limited evidence of carcinogenicity in animals and inadequate or lack of human data)

Group D - Not Classifiable as to Human Carcinogenicity (inadequate or no evidence)

Group E - Evidence of Noncarcinogenicity for Humans (no evidence of carcinogenicity in adequate studies)

In the previous guidance, it was assumed that there is some finite level of risk associated with each non-zero dose. The USEPA has developed computerized models that extrapolate dose-response relations observed at the relatively high doses used in animal studies to the low dose levels encountered by humans in environmental situations. The mathematical models developed by USEPA assume no threshold, and use both animal and human data (where available) to develop a potency estimate for a given constituent. The potency estimate for oral and dermal exposure, called a cancer slope factor (CSF) is expressed in units of $(mg/kg\text{-}day)^{-1}$; the higher the CSF, the greater the carcinogenic potential. The potency estimate for inhalation exposures, called a unit risk factor (URF), is expressed in terms of $(ug/m^3)^{-1}$; the higher the URF, the greater the carcinogenic potential.

USEPA (2005a) places greater emphasis on critically evaluating all available data from which a default option may be invoked if needed in the absence of critical information. The guidance also emphasizes the use of mode of action data. Mode of action is defined as a sequence of key events and processes, starting with interaction of an agent with a cell and resulting in cancer formation. Some modes of action are anticipated to be mutagenic and are assessed with a linear approach. Other modes of action may be modeled with either linear or nonlinear approaches after a rigorous analysis of available data under the guidance provided in the framework for mode of action analysis. USEPA (2005a) uses a weight of evidence narrative rather than the classification system that was used in the previous guidance. The following descriptors are recommended along with the weight of evidence narrative:

- Carcinogenic to humans – this descriptor indicates strong evidence of human carcinogenicity.
- Likely to be carcinogenic to humans – this descriptor is appropriate when the weight of evidence is adequate to demonstrate carcinogenic potential to humans.
- Suggestive evidence of carcinogenic potential – this descriptor is appropriate when the weight of evidence is suggestive of carcinogenicity; a concern for potential carcinogenic effects in humans is raised, but the data are judged not sufficient for a stronger conclusion.
- Inadequate information to assess carcinogenic potential – this descriptor is appropriate when available data are judged inadequate for applying one of the other descriptors.
- Not likely to be carcinogenic to humans – this descriptor is appropriate when the available data are considered robust for deciding that there is no basis for human hazard concern.

More than one descriptor can be used when a constituent's effects differ by dose or exposure route. While these represent important advances in carcinogen risk assessment, the approach has not

generally been implemented for constituents with toxicity values on IRIS. Therefore, the alphanumeric system is still presented on IRIS and is included here.

Relative Absorption Factors

Relative absorption factors, which relate the amount of COC absorbed from soil at the TSCA Site to the amount of COC that was absorbed during the toxicological studies that formed the basis of the toxicity values, were established at a value of 1 for ingestion exposures to COPCs, per EPA guidance. Dermal absorption factors were obtained from USEPA guidance (USEPA, 2004b) and are shown in Attachment D.

Sources of Toxicity Values

EPA-approved sources of toxicity values were reviewed to identify current toxicity values for the COPCs, following EPA's guidance regarding the hierarchy of sources of human health dose-response values in risk assessment (USEPA, 2003a), as updated (USEPA, 2013b). The sources used for this HHRA evaluation include:

- *IRIS* (http://www.epa.gov/iris/). (USEPA, 2016b) The main source of dose-response values is Integrated Risk Information System (IRIS), which is a database established by USEPA containing all validated data on many toxic substances found at hazardous waste sites. This database, current as of May 2016, was used to identify the CSFs, URs, RfDs, and RfCs applied in this risk assessment.

- *National Center for Environmental Assessment (NCEA) provisional peer reviewed toxicity values (PPRTVs)* (http://hhpprtv.ornl.gov/). *(USEPA, 2016a)* NCEA's PPRTVs are developed by the Superfund Technical Support Center (STSC) for the USEPA Superfund program. STSC's reassessment of USEPA Health Effects Assessment Summary Tables (HEAST) toxicity values, as well as development of PPRTVs in response to Regional or Headquarters Superfund program requests, are consistent with Agency practices on toxicity value development, use the most recent scientific literature, and are supported by both internal and external peer review, providing a high level of confidence in the use of these values in the Superfund Program. PPRTVs are current as of May 2016.

- *California Environmental Protection Agency (CALEPA)* toxicity values (CALEPA, 2014). CALEP develops toxicity values for both cancer and non-cancer effects. CALEPA toxicity values are obtained on the CALEPA website at http://www.oehha.ca.gov/risk/chemicalDB//index.asp. CALEPA toxicity values are current as of 2011 (cancer toxicity data) and June 2014 (non-cancer toxicity data).

- *Agency for Toxic Substances and Disease Registry (ATSDR's) Minimal Risk Levels (MRLs)* (ATSDR, 2016) address noncancer effects only, and are available on the ATSDR website at http://www.atsdr.cdc.gov/mrls.html. MRL values for intermediate exposure were used as subchronic RfD and RfC values, and MRL values for chronic exposure were used as chronic RfD and RfC values. The MRL values are current as of December 2014.

Per EPA, the recommended values for Tier 3 sources are presented below in order of hierarchy. These values are used as the defaults in the RSL tables.

(1) The ATSDR Minimal Risk Levels (MRLs)
(2) Cal/EPA, Office of Environmental Health Hazard Assessment (OEHHA), toxicity values
(3) PPRTV Appendix "Screening Toxicity Values"
(4) HEAST

Toxicity Values for PCBs

EPA publishes chronic RfD values for Aroclor-1016 and Aroclor-1254 in the IRIS data base, and ATSDR publishes a subchronic MRL for Arolcor-1254; no chronic or subchronic RfD values are published for other Aroclors in the EPA-approved sources listed above. The chronic RfD and subchronic MRL values for Aroclor-1254 are used as RfDs for total PCBs in this HHRA.

Although EPA considers evidence of PCB-induced carcinogenicity in humans to be inadequate, EPA identifies PCBs as a Group B2 probable human carcinogen, based on findings of statistically significant, dose-related increases in liver adenomas and carcinomas in laboratory rats exposed to Aroclor mixtures (EPA, 2015). EPA publishes cancer slope factor and unit risk values for total PCBs. In accordance with guidance provided in the IRIS file for PCBs (EPA, 2015), the upper-bound slope factor and unit risk values for 'high risk and persistence' are used to quantify cancer risks for total PCBs in this HHRA because exposure routes include incidental ingestion of soil and inhalation of dust. Toxicity values for PCBs and other COPCs at the Site are presented in Table D-6.

Evaluation of Lead

EPA does not publish toxicity values for lead, but instead recommends use of biokinetic models to estimate blood lead levels that could result following exposure to lead in environmental media. The Adult Lead Model (ALM) is used with EPCs for lead in soil to estimate blood lead levels in the adult worker populations that are evaluated in this risk assessment. The blood lead levels are then compared to threshold blood lead levels established by EPA, as discussed in Section 5. Potential exposures to child pedestrian visitors are evaluated using the EPA residential soil lead screening level as published in the RSL Table (EPA, 2015a).

5 RISK CHARACTERIZATION

Risk characterization, including uncertainty analysis, is the final step in the risk assessment process. The risk characterization integrates the exposure and toxicity information generated in previous sections to qualitatively or quantitatively evaluate the potential health risks associated with exposure to chemicals at the TSCA Site. Risk estimates are then evaluated through a comparison to risk threshold criteria. Section 5.1 provides the methodology used to calculate risks for each COPC and sum risk estimates among COPCs, exposure pathways, and exposure media to derive cumulative receptor risks. Section 5.2 provides the risk assessment results for each of the land use scenarios evaluated in the HHRA. Section 5.3 provides an assessment of uncertainties in the HHRA.

5.1 RISK CHARACTERIZATION METHODS

Quantitative estimates of both carcinogenic and non-carcinogenic risks are calculated for each exposure scenario selected for evaluation in the exposure assessment, in accordance with USEPA (1989) guidance. Cancer risks associated with exposure to each COPC are calculated by multiplying the exposure route pathway-specific intake (e.g., oral exposure to groundwater) or exposure concentration (e.g., inhalation of dust) by its exposure route-specific CSF (e.g., oral CSF) or UR.

$$\textit{Intake (mg/kg/day or ug/m}^3\textit{) x CSF (mg/kg/day)}^{-1}\textit{ or UR (ug/m}^3\textit{)}^{-1} = \textit{ELCR}$$

The calculated value is an Excess Lifetime Cancer Risk (ELCR) and represents an upper bound of the probability of an individual developing cancer over a lifetime as the result of exposure to a COPC. This process is repeated for all exposure pathways for each receptor at each exposure point.

Non-cancer risks associated with exposure to each COPC are calculated by dividing the exposure route pathway-specific intake (e.g., oral exposure to groundwater) or exposure concentration (e.g., inhalation of dust) by its exposure route-specific RfD or RfC.

$$\textit{Intake (mg/kg/day or ug/m}^3\textit{) / RfD (mg/kg/day) or RfC (ug/m}^3\textit{) = HQ}$$

The calculated value is a hazard quotient (HQ). Chemical-specific HQs are then summed among all exposure pathways for each receptor to produce a hazard index (HI). An HI less than 1 indicates that non-carcinogenic toxic effects are unlikely to occur as a result of COPC exposure. HIs greater than 1 may be indicative of a possible non-carcinogenic toxic effect. As the HI increases, so does the likelihood that adverse effects might be associated with exposure. The text discussions in the Risk Characterization identify HI values based on the child receptor for pedestrian visitor scenario because the HI values for the child receptor are higher than HI values for the adolescent and adult receptors.

5.2 RISK CHARACTERIZATION RESULTS

The relative significance of the calculated risks is evaluated in terms of a comparison with acceptable risk levels established in the USEPA National Contingency Plan (NCP, 1990). In accordance with the NCP, cancer risk estimates for a site are compared to an ELCR range of 10^{-6} (one in a million) to 10^{-4} (one in ten-thousand). Risks at or below 10^{-6} do not warrant a response action, risks greater than 10^{-4} generally warrant a response action, and the decision to require a response action for risks that are between 10^{-6} and 10^{-4} is a risk management decision that is made by USEPA. Non-cancer risks are compared to a HI

value of 1, which corresponds to levels of exposure that people (including sensitive individuals such as children) could experience without expected adverse effects.

The HI that is calculated by summing the HQs for all COPCs generally provides an overestimation of potential non-cancer risk. This is because the HI for each COPC represents the ratio of the estimated COPC intake to the threshold dose for a *specific* adverse health effect, where the adverse health effect is determined by the basis of the RfD and RfC. Summing HQs that are based on risks for different adverse health effects does not provide an estimate of total risk for a specific adverse health effect. Therefore, according to USEPA guidance (USEPA, 1989), a total HI that is above one and is based on exposures to multiple COPCs does not necessarily indicate that the potential for adverse health effects is unacceptable if the risks for the COPCs are not additive. Consequently, in the HHRA, separate HI values for specific target organ effects may be calculated by summing the HQ values for COPCs that affect the same target organ(s). This approach is generally only used when there are no COPCs with HQs greater than one, but the sum of HQs results in an HI greater than one.

Table D-8 provides cumulative receptor risks for each of the exposure scenarios evaluated in this risk assessment.

- Parking Area Backfill: Parking Area Backfill was used to represent potential exposures to unpaved soil under current use conditions. HI values for potential exposures to this soil range from 0.1 (commercial worker) to 0.3 (visitor) and ELCR values range from 9E-06 (visitor) to 1E-05 (commercial worker).

- Surface Soil 0 – 2 ft: Surface soil was used to evaluate whether parking lot pavement will be required to mitigate exposures and potential risks under future use conditions, under the assumption that if the parking lot was to not be paved, commercial workers and visitors could be exposed to surface soil 0 – 2 ft bgs. HI values for potential exposures to this soil range from 0.5 (commercial worker) to 1 (visitor) and ELCR values range from 1E-05 (visitor) to 2E-05 (commercial worker).

  Construction workers were also evaluated for potential exposures to surface soil (0 – 2 ft) under the assumption that pathways could be complete during parking lot maintenance or improvement activities. The HI for the construction worker is 0.9 and the ELCR is 2E-06.

- Cypher Street Area: Soil 0 – 15 ft bgs beneath and adjacent to Cypher Street was evaluated for potential exposures by construction workers under the assumption that Cypher Street may be improved in the future. The HI is 0.8 and the ELCR is 1E-06.

These results indicate that cumulative risks for PCBs and other COPCs are within the NCP cancer risk range of 10^{-6} to 10^{-4} and do not exceed a hazard index of 1.

EPCs for lead in Parking Lot Backfill (137 mg/kg) and Soil 0 – 2 ft (208 mg/kg) are well below the EPA lead screening value for residential soil of 400 mg/kg (USEPA, 2016a). This indicates that lead concentrations in those exposure points do not pose risks of concern to commercial workers, visitors, or construction workers.

For Cypher Street soil (0 – 15 ft bgs), the lead EPC (1048 mg/kg) is greater than the RSL for industrial soil of 800 mg/kg (USEPA, 2016a), indicating that further evaluation is required. As described in Section 4,

risks associated with potential exposures to lead in soil are characterized using the ALM. To evaluate the significance of the estimated blood lead concentrations, the blood lead concentrations are compared to a threshold blood lead level of 10 micrograms per deciliter (µg/dL). This threshold blood lead level is a multi-agency goal that has been designated by the U.S. Centers for Disease Control (CDC) and the ATSDR as a level of concern to protect sensitive populations, including neonates, infants, and children. The protection of sensitive populations is assumed to also provide protection for adults. USEPA indicates that 95% of the exposed population should have a geometric mean blood lead level that does not exceed 10 µg/dL.

The results of this analysis indicate that the estimated blood lead level for a worker (2.8 ug/dl) and a fetus carried by a worker (6.7 ug/dl) are below 10 ug/dl, indicating that lead does not pose a risk of concern in that area.

Based on the HHRA results, the PCB remediation planned for the TSCA Site will result in post-remediation conditions associated with health risks that do not exceed EPA risk management criteria; excess lifetime cancer risks will be within the NCP cancer risk range and Hazard Index values will not exceed 1. Furthermore, the HHRA results indicate that maintenance of pavement at the parking lot is not required to maintain acceptable health risks.

5.3 UNCERTAINTY ANALYSIS

5.3.1 Inherent Sources of Uncertainty

Since the assumptions and other aspects of risk assessments are intended to be conservative, some degree of uncertainty is inherent to the process. Inherent sources of uncertainty typically relate to four areas:

1.) the site characterization process;
2.) the exposure assessment;
3.) the toxicity assessment; and
4.) the risk characterization.

Inherent sources of uncertainty relating to the site characterization process include:

- Field Sampling location bias (sample locations were biased toward areas of highest contamination);
- Lack of consideration of source depletion, natural degradation or attenuation of COPCs over time; and
- Limitations on the determination of background conditions.

Inherent sources of uncertainty relating to the exposure assessment include:

- Assumption that exposure scenarios and contact with affected media will occur;
- Selection of the 95% UCL of the mean, or the maximum concentration, for the exposure point concentration;
- Assumption of frequent, or routine exposure over prolonged durations;
- Use of default exposure values for physiological parameters such as skin surface area and soil ingestion rates; and
- Assumption that some pathways are negligible in comparison to others.

Inherent sources of uncertainty relating to the toxicity analysis include:

- Use of published RfDs and SFs derived by standard EPA methods;
- Assumption of bioavailability of COPCs from soil.
- Use of toxicity data based on Aroclor mixtures.

Inherent sources of uncertainty relating to the risk characterization include:

- Assumption of additivity of toxicological effects; and
- Risk characterization does not consider antagonistic or synergistic effects. Little information is available to determine the potential for antagonism or synergism for the COPCs.

5.3.2 Site Specific Sources of Uncertainty

In addition to the uncertainties inherent in the risk assessment process, there are typically uncertainties associated with site-specific information, contaminants or conditions. The following TSCA Site-specific sources of uncertainty apply to this study area:

- The soil analysis used the Aroclor method instead of the congener specific method. Given that the toxicity information is based on Aroclor mixtures, this uncertainty should be mitigated to some degree.

- The future commercial worker scenarios assume exposure to soils every work-day for a 25-year period. Similarly, the BCEC visitor scenario assumes the people from birth to age 26 access soils at the Site 3 days per week spring, summer, and fall. In reality, the site will remain paved and the potential for exposure to soil will be almost non-existent. Therefore, these exposure evaluations overestimate the potential future human health risk.

6 SUMMARY AND CONCLUSIONS

The risk assessment evaluated potential exposures and health risks associated with PCBs and other chemicals of potential concern under conditions which assume a specific remedial plan which will include:

- Remediation of soil containing total PCBs greater than 500 mg/kg
- Remediation of discrete areas of soil containing non-PCB constituents (e.g., lead) at concentrations greater than MCP Upper Concentration Limits.

Based on this remedial plan, the results of the risk assessment indicate that none of the potentially complete exposure pathways that could exist after TSCA Site remediation would be associated with cancer and non-cancer risks that exceed EPA risk management thresholds. Specifically, the conclusions of the risk assessment are as follows:

- For a commercial worker and visitor, the only exposure pathways that may realistically be complete at the TSCA Site are those associated with surface soil (Parking Area Backfill) at small unpaved areas, which do not pose risks in excess of EPA risk management thresholds. In addition, the HHRA demonstrates that surface soil (0 – 2 ft) at the Site could remain unpaved in the future and would not pose risks in excess of EPA risk management thresholds if exposure were to hypothetically occur.

- For a construction worker, the TSCA Site does not pose risks in excess of EPA risk management thresholds for:
  - soil beneath and adjacent to Cypher Street;
  - surface soil (0 – 2 ft) at the TSCA Site

- Potential exposures to subsurface soil at the Site, both beneath and outside of the EM-1 Cap, will not occur because deed restrictions will require soil management and health and safety plans that will mitigate any potential exposures.

These results are summarized in Table D-8.

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TABLE D-1
SOIL SUMMARY STATISTICS, COPC AND EPCs - PARKING AREA BACKFILL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Detected Compound	CAS Number	Frequency of Detection	Range of Detected Concentrations	Average of All Samples	Nov-2015 Industrial Soil RSL HI = 0.1 (mg/Kg)	Maximum Exceeds UCL?		EPC	Statistic
Volatile Organics (mg/Kg)									
1,2,4-Trimethylbenzene	95-63-6	1 / 105	0.0015 - 0.0015	0.012	24	no	BSL		
1,4-Dichlorobenzene	106-46-7	1 / 105	0.015 - 0.015	0.012	11	no	BSL		
Acetone	67-64-1	1 / 105	0.062 - 0.062	0.20	67000	no	BSL		
Chlorobenzene	108-90-7	1 / 105	0.01 - 0.01	0.012	130	no	BSL		
Methyl Tert Butyl Ether	1634-04-4	1 / 105	0.018 - 0.018	0.012	210	no	BSL		
Naphthalene	91-20-3	13 / 105	0.005 - 6.7	0.097	17	no	BSL		
Tetrachloroethene	127-18-4	3 / 105	0.006 - 0.007	0.012	39	no	BSL		
Semivolatile Organics (mg/Kg)									
1,4-Dichlorobenzene	106-46-7	1 / 105	0.53 - 0.53	0.20	11	no	BSL		
2-Methylnaphthalene	91-57-6	10 / 105	0.2 - 5.7	0.29	300	no	BSL		
3&4-Methylphenol	3/4-CRESOL	1 / 105	0.42 - 0.42	0.20	4100	no	BSL		
Acenaphthene	83-32-9	19 / 105	0.26 - 2.7	0.34	4500	no	BSL		
Acenaphthylene	208-96-8	2 / 105	0.51 - 4.6	0.23	4500	no	BSL		
Aniline	62-53-3	1 / 105	0.62 - 0.62	0.20	400	no	BSL		
Anthracene	120-12-7	68 / 105	0.29 - 11	0.74	23000	no	BSL		
Benzo(a)anthracene	56-55-3	98 / 105	0.22 - 11	1.4	2.9	YES	ASL	1.731	95% KM (BCA) UCL
Benzo(a)pyrene	50-32-8	95 / 105	0.39 - 8.6	1.2	0.29	YES	ASL	1.459	95% KM (BCA) UCL
Benzo(b)fluoranthene	205-99-2	100 / 105	0.28 - 10	1.6	2.9	YES	ASL	1.851	95% KM (BCA) UCL
Benzo(g,h,i)perylene	191-24-2	45 / 105	0.26 - 4.1	0.46	2300	no	BSL		
Benzo(k)fluoranthene	207-08-9	67 / 105	0.34 - 4.4	0.57	29	no	BSL		
bis(2-Ethylhexyl)phthalate	117-81-7	28 / 105	0.35 - 14	0.46	160	no	BSL		
Butyl benzylphthalate	85-68-7	1 / 105	0.49 - 0.49	0.20	1200	no	BSL		
Carbazole	86-74-8	9 / 95	0.35 - 2.5	0.26		YES	NSL	0.441	95% KM (Percentile Bootstrap) UCL
Chrysene	218-01-9	98 / 105	0.23 - 9.3	1.4	290	no	BSL		
Dibenz(a,h)anthracene	53-70-3	6 / 105	0.19 - 1.5	0.22	0.29	YES	ASL	0.269	95% KM (Percentile Bootstrap) UCL
Dibenzofuran	132-64-9	15 / 105	0.38 - 7.7	0.36	100	no	BSL		
Fluoranthene	206-44-0	103 / 105	0.45 - 30	3.1	3000	no	BSL		
Fluorene	86-73-7	20 / 105	0.21 - 10	0.43	3000	no	BSL		
Indeno(1,2,3-cd)pyrene	193-39-5	59 / 105	0.33 - 5	0.55	2.9	YES	ASL	0.695	95% KM (% Bootstrap) UCL
Isophorone	78-59-1	1 / 105	0.42 - 0.42	0.20	2400	no	BSL		
Naphthalene	91-20-3	26 / 105	0.22 - 7.5	0.40	17	no	BSL		
N-Nitrosodiphenylamine	86-30-6	1 / 95	2.3 - 2.3	0.21	470	no	BSL		
Phenanthrene	85-01-8	102 / 105	0.32 - 44	2.8	2300	no	BSL		
Pyrene	129-00-0	103 / 105	0.45 - 20	2.6	2300	no	BSL		
PCBs (mg/Kg									
Aroclor-1242 (PCB-1242)	53469-21-9	15 / 130	0.22 - 2.6	0.19	0.95	YES	ASL		
Aroclor-1248 (PCB-1248)	12672-29-6	71 / 130	0.11 - 5.1	0.53	0.95	YES	ASL		
Aroclor-1254 (PCB-1254)	11097-69-1	46 / 130	0.071 - 5.6	0.34	0.97	YES	ASL		
Aroclor-1260 (PCB-1260)	11096-82-5	114 / 130	0.047 - 4.3	0.34	0.99	YES	ASL		
SUM of PCBs	SUM_PCBs	126 / 130	0.071 - 9.9	1.3	0.95	YES	ASL	1.528	95% KM (BCA) UCL
Inorganics (mg/Kg									
Antimony	7440-36-0	66 / 95	1.1 - 29	2.1	47	no	BSL		
Arsenic	7440-38-2	41 / 105	3.3 - 59	4.0	3	YES	ASL	6.017	95% KM (% Bootstrap) UCL
Barium	7440-39-3	105 / 105	8 - 110	54	22000	no	BSL		
Cadmium	7440-43-9	92 / 105	0.55 - 18	1.2	98	no	BSL		
Chromium	7440-47-3	105 / 105	2.9 - 88	19.8	180000	no	BSL		
Lead	7439-92-1	105 / 105	5.5 - 1700	137	800	YES	ASL	137	Arithmetic mean
Mercury	7439-97-6	102 / 105	0.034 - 2.3	0.36	4.6	no	BSL		
Nickel	7440-02-0	92 / 95	6.2 - 170	15.9	2200	no	BSL		
Selenium	7782-49-2	7 / 105	5.2 - 18	3.2	580	no	BSL		
Thallium	7440-28-0	1 / 95	7.9 - 7.9	2.8	1.2	YES	ASL	7.9	Maximum
Vanadium	7440-62-2	95 / 95	3.2 - 57	27	580	no	BSL		
Zinc	7440-66-6	95 / 95	12 - 5000	146	35000	no	BSL		
TPH (mg/Kg)									
Total Petroleum Hydrocarbons (C9-C36)	PHCC9C36	10 / 10	100 - 1100	521		YES	NSL	697.9	95% Student's-t UCL
VPH (mg/Kg)									
C5-C8 ALIPHATICS, ADJ.	HA-VPHC5-C8A	6 / 95	1 - 3.8	0.72		YES	NSL	1.133	95% KM (t) UCL
C9-C10 AROMATICS	HA-VPHC9-C10	17 / 95	1.1 - 7.8	1.0		YES	NSL	1.541	95% Approximate Gamma KM-UCL
C9-C12 ALIPHATICS, ADJ.	HA-VPHC9-C12A	9 / 95	1.5 - 6.8	0.89		YES	NSL	1.383	95% KM (t) UCL
EPH (mg/Kg)									
C11-C22 AROMATICS, ADJ.	HA-EPHC11-C22A	93 / 94	33 - 660	132		YES	NSL	149.9	95% KM (BCA) UCL
C19-C36 ALIPHATICS	HA-EPHC19-C36	94 / 94	35 - 950	152		YES	NSL	218	95% Chebyshev (Mean, Sd) UCL
C9-C18 ALIPHATICS	HA-EPHC9-C18	6 / 94	43 - 680	38		YES	NSL	62.52	95% KM (Percentile Bootstrap) UCL

ABBREVIATIONS:
- COPC = compound of potential concern
- EPC = exposure point concentration
- mg/kg = milligram per kilogram
- UCL = upper confidence limit

NOTES:
- Only compounds detected above laboratory detection limits at least once are listed.
- Compounds were excluded as COC if the maximum detected levels in site-wide data did not exceed November 2015 Industrial Soil RSL (HI=0.1).
- Average levels are calculated as the arithmetic mean and use values of 1/2 the reporting limit for constituents that were not detected.
- Soil EPC is the lesser of the maximum detected level or the calculated 95% UCL of the COC.
- 95% UCL values calculated using ProUCL v. 5.0.00.

The average for Total PCBs uses 1/2 the detection limit for those samples for which no aroclors were detected.

TABLE D-2
SOIL SUMMARY STATISTICS, COPC AND EPCs - TSCA (0-2 ft bgs)
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Detected Compound	CAS Number	Frequency of Detection	Range of Detected Concentrations	Average of All Samples	Nov-2015 Industrial Soil RSL HI = 0.1 (mg/Kg)	Maximum Exceeds RSL?		EPC	Statistic
Volatile Organics (mg/Kg)									
1,2,3-Trichlorobenzene	87-61-6	1 / 136	0.044 - 0.044	0.0093	93	no	BSL		
1,2,4-Trichlorobenzene	120-82-1	1 / 136	0.067 - 0.067	0.0095	26	no	BSL		
1,2,4-Trimethylbenzene	95-63-6	2 / 136	0.0015 - 0.0027	0.0089	24	no	BSL		
1,4-Dichlorobenzene	106-46-7	1 / 136	0.015 - 0.015	0.0090	11	no	BSL		
Acetone	67-64-1	1 / 136	0.062 - 0.062	0.16	67000	no	BSL		
Benzene	71-43-2	1 / 136	0.006 - 0.006	0.0089	5.1	no	BSL		
Chlorobenzene	108-90-7	1 / 136	0.01 - 0.01	0.0089	130	no	BSL		
Cymene (p-Isopropyltoluene)	99-87-6	2 / 136	0.0023 - 0.005	0.0089		YES	NSL	0.00135	95% KM (t) UCL
Methyl Tert Butyl Ether	1634-04-4	1 / 136	0.018 - 0.018	0.0092	210	no	BSL		
Naphthalene	91-20-3	15 / 136	0.005 - 6.7	0.075	17	no	BSL		
Tetrachloroethene	127-18-4	3 / 136	0.006 - 0.007	0.0090	39	no	BSL		
Toluene	108-88-3	1 / 136	0.0041 - 0.0041	0.0089	4700	no	BSL		
Semivolatile Organics (mg/Kg)									
1,4-Dichlorobenzene	106-46-7	1 / 136	0.53 - 0.53	0.21	11	no	BSL		
2,6-Dinitrotoluene	606-20-2	1 / 136	0.54 - 0.54	0.21	1.5	no	BSL		
2-Methylnaphthalene	91-57-6	13 / 136	0.2 - 5.7	0.27	300	no	BSL		
3&4-Methylphenol	3/4-CRESOL	1 / 136	0.42 - 0.42	0.21	4500	no	BSL		
Acenaphthene	83-32-9	21 / 136	0.22 - 2.7	0.29	4500	no	BSL		
Acenaphthylene	208-96-8	3 / 136	0.51 - 4.6	0.24	4500	no	BSL		
Aniline	62-53-3	1 / 136	0.62 - 0.62	0.21	400	no	BSL		
Anthracene	120-12-7	74 / 136	0.19 - 11	0.65	23000	no	BSL		
Benzo(a)anthracene	56-55-3	118 / 136	0.22 - 14	1.3	2.9	YES	ASL	1.53	95% KM (BCA) UCL
Benzo(a)pyrene	50-32-8	113 / 136	0.21 - 14	1.1	0.29	YES	ASL	1.369	95% KM (BCA) UCL
Benzo(b)fluoranthene	205-99-2	122 / 136	0.23 - 17	1.4	2.9	YES	ASL	1.735	95% KM (BCA) UCL
Benzo(g,h,i)perylene	191-24-2	54 / 136	0.19 - 9	0.45	2300	no	BSL		
Benzo(k)fluoranthene	207-08-9	74 / 136	0.31 - 8	0.54	29	no	BSL		
bis(2-Ethylhexyl)phthalate	117-81-7	32 / 136	0.35 - 14	0.41	160	no	BSL		
Butyl benzylphthalate	85-68-7	1 / 136	0.49 - 0.49	0.21	1200	no	BSL		
Carbazole	86-74-8	10 / 111	0.35 - 2.5	0.26		YES	NSL	0.431	95% KM (t) UCL
Chrysene	218-01-9	120 / 136	0.2 - 14	1.3	290	no	BSL		
Dibenz(a,h)anthracene	53-70-3	6 / 136	0.19 - 2.6	0.22	0.29	YES	ASL	0.249	95% KM (Percentile Bootstrap) UCL
Dibenzofuran	132-64-9	16 / 136	0.38 - 7.7	0.33	100	no	BSL		
Fluoranthene	206-44-0	126 / 136	0.28 - 30	2.7	3000	no	BSL		
Fluorene	86-73-7	21 / 136	0.21 - 10	0.36	3000	no	BSL		
Indeno(1,2,3-cd)pyrene	193-39-5	71 / 136	0.18 - 9.4	0.53	2.9	YES	ASL	0.686	95% KM (% Bootstrap) UCL
Isophorone	78-59-1	2 / 136	0.42 - 2.3	0.23	2400	no	BSL		
Naphthalene	91-20-3	31 / 136	0.21 - 7.5	0.37	17	no	BSL		
N-Nitrosodiphenylamine	86-30-6	1 / 111	2.3 - 2.3	0.21	470	no	BSL		
Phenanthrene	85-01-8	124 / 136	0.22 - 44	2.3	2300	no	BSL		
Pyrene	129-00-0	126 / 136	0.34 - 29	2.3	2300	no	BSL		
PCBs (mg/Kg									
Aroclor-1242 (PCB-1242)	53469-21-9	16 / 303	0.22 - 2.6	0.29		YES	NSL		
Aroclor-1248 (PCB-1248)	12672-29-6	142 / 303	0.11 - 45	0.88	0.95	YES	ASL		
Aroclor-1254 (PCB-1254)	11097-69-1	144 / 303	0.056 - 63	1.1	0.95	YES	ASL		
Aroclor-1260 (PCB-1260)	11096-82-5	202 / 303	0.047 - 120	1.7	0.97	YES	ASL		
SUM of PCBs	SUM_PCBs	244 / 303	0.071 - 121	3.3	0.99	YES	ASL	6.561	95% KM (Chebyshev) UCL
Inorganics (mg/Kg									
Antimony	7440-36-0	76 / 111	1.1 - 29	2.1	47	no	BSL		
Arsenic	7440-38-2	59 / 136	2.9 - 59	4.4	3	YES	ASL	5.888	95% KM (% Bootstrap) UCL
Barium	7440-39-3	136 / 136	8 - 120	54	22000	no	BSL		
Beryllium	7440-41-7	1 / 111	1.4 - 1.4	0.18	230	no	BSL		
Cadmium	7440-43-9	121 / 136	0.48 - 18	1.2	98	no	BSL		
Chromium	7440-47-3	136 / 136	2.9 - 88	19.2	180000	no	BSL		
Lead	7439-92-1	136 / 136	5.5 - 6900	208	800	YES	ASL	208	Arithmetic mean
Mercury	7439-97-6	131 / 136	0.034 - 2.3	0.32	4.6	no	BSL		
Nickel	7440-02-0	107 / 111	6.2 - 170	16.1	2200	no	BSL		
Selenium	7782-49-2	9 / 136	5.2 - 18	3.2	580	no	BSL		
Thallium	7440-28-0	1 / 111	7.9 - 7.9	2.8	1.2	YES	ASL	7.9	Maximum
Vanadium	7440-62-2	111 / 111	3.2 - 57	27	580	no	BSL		
Zinc	7440-66-6	111 / 111	12 - 5000	142	35000	no	BSL		
TPH (mg/Kg)									
Total Petroleum Hydrocarbons (C9-C36)	PHCC9C36	25 / 25	100 - 6900	1099		YES	NSL	1686	95% Adjusted Gamma UCL
VPH (mg/Kg)									
C5-C8 ALIPHATICS, ADJ.	HA-VPHC5-C8A	11 / 111	1 - 5.7	0.81		YES	NSL	1.238	95% KM (Percentile Bootstrap) UCL
C9-C10 AROMATICS	HA-VPHC9-C10	25 / 111	1.1 - 7.8	1.2		YES	NSL	1.687	95% KM (% Bootstrap) UCL
C9-C12 ALIPHATICS, ADJ.	HA-VPHC9-C12A	15 / 111	1.1 - 6.9	1.0		YES	NSL	1.49	95% KM (Percentile Bootstrap) UCL
EPH (mg/Kg)									
C11-C22 AROMATICS, ADJ.	HA-EPHC11-C22A	109 / 110	40 - 870	138		YES	NSL	157.6	95% KM (BCA) UCL
C19-C36 ALIPHATICS	HA-EPHC19-C36	110 / 110	35 - 950	159		YES	NSL	224.9	95% Chebyshev (Mean, Sd) UCL
C9-C18 ALIPHATICS	HA-EPHC9-C18	13 / 110	32 - 760	45		YES	NSL	69.47	95% KM (t) UCL

ABBREVIATIONS:
- COPC = compound of potential concern
- EPC = exposure point concentration
- mg/kg = milligram per kilogram
- UCL = upper confidence limit

NOTES:
- Only compounds detected above laboratory detection limits at least once are listed.
- Compounds were excluded as COC if the maximum detected levels in site-wide data did not exceed November 2015 Industrial Soil RSL (HI=0.1).
- Average levels are calculated as the arithmetic mean and use values of 1/2 the reporting limit for constituents that were not detected.
- Soil EPC is the lesser of the maximum detected level or the calculated 95% UCL of the COC.
- 95% UCL values calculated using ProUCL v. 5.0.00.

The average for Total PCBs uses 1/2 the detection limit for those samples for which no aroclors were detected.

TABLE D-3
SOIL SUMMARY STATISTICS, COPC AND EPCs - AB (0-15 ft bgs)
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Detected Compound	CAS Number	Frequency of Detection	Range of Detected Concentrations	Average of All Samples	Nov-2015 Industrial Soil RSL HI = 0.1 (mg/Kg)	Maximum Exceeds RSL?		EPC	Statistic
Volatile Organics (mg/Kg)									
1,2,4-Trimethylbenzene	95-63-6	2 / 42	0.003 - 0.0034	0.010	24	no	BSL		
1,3,5-Trimethylbenzene	108-67-8	1 / 42	0.0017 - 0.0017	0.0099	1200	no	BSL		
Acetone	67-64-1	1 / 42	0.1 - 0.1	0.16	67000	no	BSL		
Benzene	71-43-2	4 / 42	0.01 - 5	0.16	5.1	no	BSL		
Cymene (p-Isopropyltoluene)	99-87-6	2 / 42	0.0034 - 0.005	0.010		YES	NSL	0.00188	95% KM (t) UCL
Ethylbenzene	100-41-4	1 / 42	0.0018 - 0.0018	0.0099	25	no	BSL		
Naphthalene	91-20-3	9 / 42	0.016 - 0.071	0.017	17	no	BSL		
o-Xylene	95-47-6	1 / 42	0.0019 - 0.0019	0.0099	280	no	BSL		
Styrene	100-42-5	1 / 42	0.007 - 0.007	0.010	3500	no	BSL		
Toluene	108-88-3	2 / 42	0.0017 - 0.007	0.010	4700	no	BSL		
Semivolatile Organics (mg/Kg)									
2-Methylnaphthalene	91-57-6	9 / 42	0.21 - 1.9	0.31	300	no	BSL		
3&4-Methylphenol	3/4-CRESOL	7 / 42	0.48 - 1.2	0.40	4100	no	BSL		
Acenaphthene	83-32-9	15 / 42	0.28 - 4.7	0.52	4500	no	BSL		
Acenaphthylene	208-96-8	1 / 42	0.67 - 0.67	0.23	4500	no	BSL		
Anthracene	120-12-7	29 / 42	0.35 - 19	1.3	23000	no	BSL		
Benzo(a)anthracene	56-55-3	37 / 42	0.31 - 33	3.2	2.9	YES	ASL	7.497	95% KM (Chebyshev) UCL
Benzo(a)pyrene	50-32-8	34 / 42	0.29 - 18	2.1	0.29	YES	ASL	4.176	95% KM (Chebyshev) UCL
Benzo(b)fluoranthene	205-99-2	38 / 42	0.23 - 24	2.9	2.9	YES	ASL	5.99	95% KM (Chebyshev) UCL
Benzo(g,h,i)perylene	191-24-2	28 / 42	0.22 - 8.7	0.94	2300	no	BSL		
Benzo(k)fluoranthene	207-08-9	24 / 42	0.46 - 11	0.96	29	no	BSL		
bis(2-Ethylhexyl)phthalate	117-81-7	14 / 42	0.4 - 2.3	0.58	160	no	BSL		
Carbazole	86-74-8	7 / 26	0.49 - 6	0.54		YES	NSL	1.289	95% Adjusted Gamma KM-UCL
Chrysene	218-01-9	38 / 42	0.27 - 63	4.2	290	no	BSL		
Dibenz(a,h)anthracene	53-70-3	10 / 42	0.24 - 13	0.70	0.29	YES	ASL	1.324	95% KM (BCA) UCL
Dibenzofuran	132-64-9	12 / 42	0.49 - 3.5	0.52	100	no	BSL		
Fluoranthene	206-44-0	41 / 42	0.38 - 69	5.1	3000	no	BSL		
Fluorene	86-73-7	16 / 42	0.31 - 6.1	0.56	3000	no	BSL		
Indeno(1,2,3-cd)pyrene	193-39-5	28 / 42	0.23 - 2.8	0.80	2.9	no	BSL		
Naphthalene	91-20-3	17 / 42	0.23 - 2.1	0.48	17	no	BSL		
Phenanthrene	85-01-8	41 / 42	0.33 - 67	4.8	2300	no	BSL		
Pyrene	129-00-0	41 / 42	0.52 - 46	4.3	2300	no	BSL		
PCBs (mg/Kg									
Aroclor-1242 (PCB-1242)	53469-21-9	1 / 190	14 - 14	0.72	0.95	YES	ASL		
Aroclor-1248 (PCB-1248)	12672-29-6	20 / 190	0.14 - 210	3.1	0.95	YES	ASL		
Aroclor-1254 (PCB-1254)	11097-69-1	84 / 190	0.057 - 180	4.7	0.97	YES	ASL		
Aroclor-1260 (PCB-1260)	11096-82-5	82 / 190	0.051 - 110	3.7	0.99	YES	ASL		
SUM of PCBs	SUM_PCBs	90 / 190	0.083 - 420	11.0	0.95	YES	ASL	32.84	97.5% KM (Chebyshev) UCL
Inorganics (mg/Kg									
Antimony	7440-36-0	22 / 26	1.3 - 54	8.4	47	YES	ASL	24.39	97.5% KM (Chebyshev) UCL
Arsenic	7440-38-2	25 / 42	2.9 - 120	10.1	3	YES	ASL	15.96	95% KM (% Bootstrap) UCL
Barium	7440-39-3	42 / 42	26 - 2700	246	22000	no	BSL		
Cadmium	7440-43-9	42 / 42	0.45 - 24	4.1	98	no	BSL		
Chromium	7440-47-3	42 / 42	8.9 - 180	32	180000	no	BSL		
Lead	7439-92-1	42 / 42	9.9 - 6500	1048	800	YES	ASL	1048	Arithmetic mean
Mercury	7439-97-6	40 / 42	0.035 - 4.4	1.1	4.6	no	BSL		
Nickel	7440-02-0	26 / 26	8.4 - 170	33	2200	no	BSL		
Selenium	7782-49-2	2 / 42	6.2 - 8.4	3.2	580	no	BSL		
Silver	7440-22-4	2 / 42	2 - 49	1.7	580	no	BSL		
Thallium	7440-28-0	14 / 26	6.6 - 100	12.0	1.2	YES	ASL	25.51	95% GROS Adjusted Gamma UCL
Vanadium	7440-62-2	25 / 26	12 - 110	36	580	no	BSL		
Zinc	7440-66-6	26 / 26	49 - 14000	1100	35000	no	BSL		
TPH (mg/Kg)									
Total Petroleum Hydrocarbons (C9-C36)	PHCC9C36	16 / 16	260 - 10000	1857		YES	NSL	3204	95% H-UCL
VPH (mg/Kg)									
C5-C8 ALIPHATICS, ADJ.	HA-VPHC5-C8A	3 / 26	3.3 - 8.9	1.3		YES	NSL	2.181	95% KM (t) UCL
C9-C10 AROMATICS	HA-VPHC9-C10	6 / 26	1.2 - 4.3	1.1		YES	NSL	1.607	95% KM (Percentile Bootstrap) UCL
C9-C12 ALIPHATICS, ADJ.	HA-VPHC9-C12A	4 / 26	1.9 - 4.3	1.0		YES	NSL	1.524	95% KM (t) UCL
EPH (mg/Kg)									
C11-C22 AROMATICS, ADJ.	HA-EPHC11-C22A	25 / 26	63 - 890	218		YES	NSL	321.7	95% GROS Adjusted Gamma UCL
C19-C36 ALIPHATICS	HA-EPHC19-C36	25 / 26	60 - 560	181		YES	NSL	265.4	95% GROS Adjusted Gamma UCL
C9-C18 ALIPHATICS	HA-EPHC9-C18	6 / 26	31 - 57	22		YES	NSL	32.29	95% KM (Percentile Bootstrap) UCL

ABBREVIATIONS:
- COPC = compound of potential concern
- EPC = exposure point concentration
- mg/kg = milligram per kilogram
- UCL = upper confidence limit

NOTES:
- Only compounds detected above laboratory detection limits at least once are listed.
- Compounds were excluded as COC if the maximum detected levels in site-wide data did not exceed November 2015 Industrial Soil RSL (HI=0.1).
- Average levels are calculated as the arithmetic mean and use values of 1/2 the reporting limit for constituents that were not detected.
- Soil EPC is the lesser of the maximum detected level or the calculated 95% UCL of the COC.
- 95% UCL values calculated using ProUCL v. 5.0.00.

The average for Total PCBs uses 1/2 the detection limit for those samples for which no aroclors were detected.

TABLE D-4
SOIL SUMMARY STATISTICS, COPC AND EPCs - UNDER EM1 CAP (all depths)
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Detected Compound	CAS Number	Frequency of Detection	Range of Detected Concentrations	Average of All Samples	Nov-2015 Industrial Soil RSL HI = 0.1 (mg/Kg)	Maximum Exceeds RSL?		EPC	Statistic
Volatile Organics (mg/Kg)									
1,2,3-Trichlorobenzene	87-61-6	12 / 189	0.016 - 9.6	0.17	93	no	BSL		
1,2,4-Trichlorobenzene	120-82-1	14 / 188	0.0028 - 36	0.39	26	YES	ASL	1.378	95% Approximate Gamma KM-UCL
1,2,4-Trimethylbenzene	95-63-6	10 / 189	0.002 - 24	0.15	24	no	BSL		
1,2-Dichlorobenzene	95-50-1	3 / 188	0.72 - 2.4	0.047	930	no	BSL		
1,3,5-Trichlorobenzene	108-70-3	1 / 139	1 - 1	0.041		YES	NSL	1	Maximum
1,3,5-Trimethylbenzene	108-67-8	3 / 189	0.0017 - 12	0.093	1200	no	BSL		
1,3-Dichlorobenzene	541-73-1	5 / 188	0.93 - 38	0.34		YES	NSL	0.791	95% KM (Percentile Bootstrap) UCL
1,4-Dichlorobenzene	106-46-7	5 / 188	0.83 - 34	0.39	11	YES	ASL	0.805	95% KM (Percentile Bootstrap) UCL
Acetone	67-64-1	1 / 189	0.1 - 0.1	0.33	67000	no	BSL		
Benzene	71-43-2	9 / 189	0.0017 - 8.2	0.10	5.1	YES	ASL	0.418	97.5% KM (Chebyshev) UCL
Chlorobenzene	108-90-7	2 / 189	30 - 53	0.46	130	no	BSL		
Chloroform (Trichloromethane)	67-66-3	1 / 189	0.009 - 0.009	0.027	1.4	no	BSL		
Cymene (p-Isopropyltoluene)	99-87-6	11 / 189	0.0012 - 0.84	0.032		YES	NSL	0.0464	97.5% KM (Chebyshev) UCL
Ethylbenzene	100-41-4	7 / 189	0.0018 - 9.7	0.081	25	no	BSL		
Isopropylbenzene	98-82-8	4 / 189	0.0016 - 1.2	0.032	990	no	BSL		
m,p-Xylenes	179601-23-1	5 / 189	0.0027 - 34	0.23	240	no	BSL		
Methylene chloride	75-09-2	2 / 189	0.012 - 0.018	0.027	210	no	BSL		
Naphthalene	91-20-3	42 / 188	0.006 - 1300	7.4	17	YES	ASL	50.96	97.5% KM (Chebyshev) UCL
n-Propylbenzene	103-65-1	2 / 189	0.5 - 0.75	0.031	2400	no	BSL		
o-Xylene	95-47-6	5 / 189	0.0019 - 13	0.10	280	no	BSL		
Styrene	100-42-5	8 / 189	0.0026 - 7.3	0.069	3500	no	BSL		
Toluene	108-88-3	10 / 189	0.0017 - 23	0.19	4700	no	BSL		
Trichloroethene	79-01-6	1 / 189	0.45 - 0.45	0.028	1.9	no	BSL		
Semivolatile Organics (mg/Kg)									
1,2,4-Trichlorobenzene	120-82-1	19 / 189	0.42 - 16	0.93	26	no	BSL		
1,2-Dichlorobenzene	95-50-1	1 / 189	0.53 - 0.53	0.65	930	no	BSL		
1,3-Dichlorobenzene	541-73-1	5 / 189	0.76 - 13	0.73		YES	NSL	0.593	95% KM (Percentile Bootstrap) UCL
1,4-Dichlorobenzene	106-46-7	6 / 189	0.52 - 14	0.74	11	YES	ASL	0.611	95% KM (Percentile Bootstrap) UCL
2,4-Dimethylphenol	105-67-9	1 / 189	0.63 - 0.63	0.65	1600	no	BSL		
2,4-Dinitrotoluene	121-14-2	1 / 189	0.85 - 0.85	0.67	7.4	no	BSL		
2-Chloronaphthalene	91-58-7	1 / 189	1.1 - 1.1	0.65	6000	no	BSL		
2-Methylnaphthalene	91-57-6	46 / 189	0.19 - 360	2.6	300	YES	ASL	6.467	95% KM (BCA) UCL
2-Methylphenol	95-48-7	1 / 189	0.45 - 0.45	0.65	4100	no	BSL		
3&4-Methylphenol	3/4-CRESOL	16 / 189	0.39 - 1.5	0.70	4100	no	BSL		
Acenaphthene	83-32-9	65 / 189	0.23 - 52	1.4	4500	no	BSL		
Acenaphthylene	208-96-8	11 / 189	0.28 - 290	1.9	4500	no	BSL		
Acetophenone	98-86-2	2 / 189	0.55 - 0.61	0.65	12000	no	BSL		
Aniline	62-53-3	1 / 189	0.62 - 0.62	0.65	400	no	BSL		
Anthracene	120-12-7	121 / 189	0.21 - 310	3.8	23000	no	BSL		
Benzo(a)anthracene	56-55-3	159 / 189	0.3 - 200	4.8	2.9	YES	ASL	10.91	95% KM (Chebyshev) UCL
Benzo(a)pyrene	50-32-8	152 / 189	0.3 - 170	4.0	0.29	YES	ASL	9.1	95% KM (Chebyshev) UCL
Benzo(b)fluoranthene	205-99-2	160 / 189	0.35 - 180	5.1	2.9	YES	ASL	10.97	95% KM (Chebyshev) UCL
Benzo(g,h,i)perylene	191-24-2	111 / 189	0.21 - 38	1.4	2300	no	BSL		
Benzo(k)fluoranthene	207-08-9	118 / 189	0.23 - 50	1.8	29	YES	ASL	2.196	95% KM (BCA) UCL
bis(2-Ethylhexyl)phthalate	117-81-7	82 / 189	0.39 - 76	2.0	160	no	BSL		
Butyl benzylphthalate	85-68-7	1 / 189	1.2 - 1.2	0.67	1200	no	BSL		
Carbazole	86-74-8	34 / 139	0.39 - 49	1.6		YES	NSL	2.218	95% KM (BCA) UCL
Chrysene	218-01-9	159 / 189	0.42 - 200	4.8	290	no	BSL		
Dibenz(a,h)anthracene	53-70-3	33 / 189	0.24 - 13	0.75	0.29	YES	ASL	0.496	95% KM (% Bootstrap) UCL
Dibenzofuran	132-64-9	52 / 189	0.39 - 220	2.2	100	YES	ASL	4.632	95% KM (BCA) UCL
Diethyl phthalate	84-66-2	1 / 189	0.55 - 0.55	0.65	66000	no	BSL		
Di-n-butylphthalate	84-74-2	3 / 189	0.61 - 3.1	0.67	8200	no	BSL		
Di-n-octyl phthalate	117-84-0	1 / 189	6.3 - 6.3	0.75	820	no	BSL		
Fluoranthene	206-44-0	168 / 189	0.41 - 530	10.7	3000	no	BSL		
Fluorene	86-73-7	71 / 189	0.19 - 260	2.7	3000	no	BSL		
Indeno(1,2,3-cd)pyrene	193-39-5	118 / 189	0.23 - 48	1.6	2.9	YES	ASL	1.856	95% KM (BCA) UCL
Naphthalene	91-20-3	84 / 189	0.23 - 1500	9.2	17	YES	ASL	25.45	95% KM (BCA) UCL
N-Nitrosodiphenylamine	86-30-6	1 / 139	2.3 - 2.3	0.78	470	no	BSL		
Phenanthrene	85-01-8	165 / 189	0.42 - 870	13.1	2300	no	BSL		
Phenol	108-95-2	1 / 189	0.98 - 0.98	0.65	25000	no	BSL		
Pyrene	129-00-0	167 / 189	0.44 - 480	9.2	2300	no	BSL		
PCBs (mg/Kg									
Aroclor-1242 (PCB-1242)	53469-21-9	17 / 1027	0.044 - 14	0.8	0.95	YES	ASL		
Aroclor-1248 (PCB-1248)	12672-29-6	75 / 1026	0.092 - 210	1.8	0.95	YES	ASL		
Aroclor-1254 (PCB-1254)	11097-69-1	418 / 1027	0.047 - 320	7	0.97	YES	ASL		
Aroclor-1260 (PCB-1260)	11096-82-5	427 / 1027	0.043 - 350	5.6	0.99	YES	ASL		
Aroclor-1262 (PCB-1262)	37324-23-5	1 / 1027	0.16 - 0.16	0.7		YES	NSL		
SUM of PCBs	SUM_PCBs	479 / 1027	0.044 - 470	13	0.95	YES	ASL	23.73	97.5% KM (Chebyshev) UCL
Inorganics (mg/Kg									
Antimony	7440-36-0	122 / 140	1.2 - 2000	34	47	YES	ASL	100.4	95% KM (Chebyshev) UCL
Arsenic	7440-38-2	97 / 190	3 - 120	6.4	3	YES	ASL	7.798	95% KM (% Bootstrap) UCL
Barium	7440-39-3	190 / 190	11 - 2700	203	22000	no	BSL		
Cadmium	7440-43-9	174 / 190	0.29 - 28	4.2	98	no	BSL		
Chromium	7440-47-3	190 / 190	5 - 190	32	180000	no	BSL		
Lead	7439-92-1	190 / 190	9.9 - 33000	1913	800	YES	ASL	1913	Arithmetic mean
Mercury	7439-97-6	186 / 190	0.029 - 97	2.0	4.6	YES	ASL	4.301	95% KM (Chebyshev) UCL
Nickel	7440-02-0	135 / 140	6.4 - 170	36	2200	no	BSL		
Selenium	7782-49-2	12 / 190	5.6 - 15	3.5	580	no	BSL		
Silver	7440-22-4	3 / 190	1.8 - 49	0.82	580	no	BSL		
Thallium	7440-28-0	20 / 140	6 - 100	5.3	1.2	YES	ASL	5.188	95% Approximate Gamma KM-UCL
Vanadium	7440-62-2	139 / 140	9.6 - 290	52	580	no	BSL		
Zinc	7440-66-6	140 / 140	20 - 14000	819	35000	no	BSL		
TPH (mg/Kg)									
Total Petroleum Hydrocarbons (C9-C36)	PHCC9C36	50 / 50	22 - 10000	1180		YES	NSL	1748	95% H-UCL
VPH (mg/Kg)									
C5-C8 ALIPHATICS, ADJ.	HA-VPHC5-C8A	24 / 139	1.3 - 100	2.4		YES	NSL	3.695	95% KM (BCA) UCL
C9-C10 AROMATICS	HA-VPHC9-C10	45 / 139	1.2 - 210	4.3		YES	NSL	7.867	95% KM (BCA) UCL
C9-C12 ALIPHATICS, ADJ.	HA-VPHC9-C12A	29 / 139	1.5 - 14	1.7		YES	NSL	1.798	95% Approximate Gamma KM-UCL
EPH (mg/Kg)									
C11-C22 AROMATICS, ADJ.	HA-EPHC11-C22A	125 / 139	33 - 3900	275		YES	NSL	352.5	95% KM (BCA) UCL
C19-C36 ALIPHATICS	HA-EPHC19-C36	121 / 139	29 - 1800	223		YES	NSL	269.3	95% KM (BCA) UCL
C9-C18 ALIPHATICS	HA-EPHC9-C18	55 / 139	31 - 1900	65		YES	NSL	94.95	95% KM (% Bootstrap) UCL

ABBREVIATIONS:
- EPC = exposure point concentration
- mg/kg = milligram per kilogram

NOTES:
- Only compounds detected above laboratory detection limits at least once are listed.
- Compounds were excluded as COC if the maximum detected levels in site-wide data did not exceed November 2015 Industrial Soil RSL (HI=0.1).
- Average levels are calculated as the arithmetic mean and use values of 1/2 the reporting limit for constituents that were not detected.
- Soil EPC is the average detected level of the COC.

The average for Total PCBs uses 1/2 the detection limit for those samples for which no aroclors were detected.

TABLE D-5
SOIL SUMMARY STATISTICS, COPC AND EPCs - OUTSIDE EM1 CAP (less than 17 ft amsl)
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Detected Compound	CAS Number	Frequency of Detection	Range of Detected Concentrations	Average of All Samples	Nov-2015 Industrial Soil RSL HI = 0.1 (mg/Kg)	Maximum Exceeds RSL?		EPC	Statistic
Volatile Organics (mg/Kg)									
1,2,3-Trichlorobenzene	87-61-6	3 / 172	0.023 - 0.61	0.012	93	no	BSL		
1,2,4-Trichlorobenzene	120-82-1	3 / 172	0.067 - 6.8	0.049	26	no	BSL		
1,2,4-Trimethylbenzene	95-63-6	3 / 172	0.0012 - 0.0027	0.0087	24	no	BSL		
1,2-Dichlorobenzene	95-50-1	1 / 172	0.84 - 0.84	0.013	930	no	BSL		
1,3-Dichlorobenzene	541-73-1	3 / 172	0.003 - 5.8	0.042		YES	NSL	0.103	95% KM (t) UCL
1,4-Dichlorobenzene	106-46-7	3 / 172	0.0019 - 10	0.066	11	no	BSL		
Acetone	67-64-1	1 / 172	0.062 - 0.062	0.16	67000	no	BSL		
Benzene	71-43-2	1 / 172	0.006 - 0.006	0.0087	5.1	no	BSL		
Chlorobenzene	108-90-7	4 / 172	0.006 - 1	0.014	130	no	BSL		
Cymene (p-Isopropyltoluene)	99-87-6	4 / 172	0.0023 - 0.9	0.013		YES	NSL	0.0164	95% KM (t) UCL
Methylene chloride	75-09-2	2 / 172	0.0062 - 21	0.17	320	no	BSL		
Naphthalene	91-20-3	15 / 172	0.007 - 10	0.11	17	no	BSL		
Toluene	108-88-3	1 / 172	0.0041 - 0.0041	0.0087	4700	no	BSL		
Semivolatile Organics (mg/Kg)									
1,2,4-Trichlorobenzene	120-82-1	3 / 172	5.8 - 16	0.47	26	no	BSL		
1,3-Dichlorobenzene	541-73-1	2 / 172	1.8 - 24	0.44		YES	NSL	1.324	95% KM (Chebyshev) UCL
1,4-Dichlorobenzene	106-46-7	2 / 172	3.1 - 12	0.38	11	YES	ASL	0.577	95% KM (t) UCL
2,6-Dinitrotoluene	606-20-2	1 / 172	0.54 - 0.54	0.30	1.5	no	BSL		
2-Methylnaphthalene	91-57-6	20 / 172	0.2 - 28	0.45	300	no	BSL		
Acenaphthene	83-32-9	30 / 172	0.2 - 35	0.59	4500	no	BSL		
Acenaphthylene	208-96-8	8 / 172	0.22 - 5.9	0.30	4500	no	BSL		
Anthracene	120-12-7	70 / 172	0.19 - 29	0.92	23000	no	BSL		
Benzo(a)anthracene	56-55-3	110 / 172	0.22 - 48	1.7	2.9	YES	ASL	3.256	95% KM (Chebyshev) UCL
Benzo(a)pyrene	50-32-8	107 / 172	0.21 - 40	1.5	0.29	YES	ASL	2.03	95% KM (BCA) UCL
Benzo(b)fluoranthene	205-99-2	113 / 172	0.23 - 48	1.8	2.9	YES	ASL	2.451	95% KM (BCA) UCL
Benzo(g,h,i)perylene	191-24-2	70 / 172	0.19 - 25	0.77	2300	no	BSL		
Benzo(k)fluoranthene	207-08-9	70 / 172	0.23 - 16	0.71	29	no	BSL		
bis(2-Ethylhexyl)phthalate	117-81-7	25 / 172	0.35 - 14	0.45	160	no	BSL		
Butyl benzylphthalate	85-68-7	1 / 172	0.59 - 0.59	0.30	1200	no	BSL		
Carbazole	86-74-8	10 / 122	0.48 - 14	0.50		YES	NSL	0.855	95% KM (BCA) UCL
Chrysene	218-01-9	114 / 172	0.2 - 44	1.8	290	no	BSL		
Dibenz(a,h)anthracene	53-70-3	15 / 172	0.19 - 6.8	0.35	0.29	YES	ASL	0.421	95% Approximate Gamma KM-UCL
Dibenzofuran	132-64-9	18 / 172	0.45 - 25	0.53	100	no	BSL		
Di-n-butylphthalate	84-74-2	1 / 172	15 - 15	0.38	8200	no	BSL		
Fluoranthene	206-44-0	135 / 172	0.26 - 90	3.3	3000	no	BSL		
Fluorene	86-73-7	33 / 172	0.21 - 32	0.59	3000	no	BSL		
Indeno(1,2,3-cd)pyrene	193-39-5	75 / 172	0.18 - 26	0.84	2.9	YES	ASL	1.129	95% KM (% Bootstrap) UCL
Isophorone	78-59-1	2 / 172	0.42 - 2.3	0.31	2400	no	BSL		
Naphthalene	91-20-3	40 / 172	0.2 - 51	0.69	17	YES	ASL	1.281	95% KM (BCA) UCL
Phenanthrene	85-01-8	129 / 172	0.22 - 93	2.9	2300	no	BSL		
Pyrene	129-00-0	136 / 172	0.21 - 87	3.1	2300	no	BSL		
PCBs (mg/Kg									
Aroclor-1242 (PCB-1242)	53469-21-9	11 / 1070	0.056 - 2.6	0.26	0.95	YES	ASL		
Aroclor-1248 (PCB-1248)	12672-29-6	178 / 1070	0.056 - 85	0.56	0.95	YES	ASL		
Aroclor-1254 (PCB-1254)	11097-69-1	291 / 1070	0.046 - 150	1.3	0.97	YES	ASL		
Aroclor-1260 (PCB-1260)	11096-82-5	306 / 1070	0.041 - 270	2.0	0.99	YES	ASL		
SUM of PCBs	SUM_PCBs	397 / 1070	0.041 - 400	3.5	0.95	YES	ASL	6.332	95% KM (Chebyshev) UCL
Inorganics (mg/Kg									
Antimony	7440-36-0	85 / 122	1.1 - 12	2.4	47	no	BSL		
Arsenic	7440-38-2	87 / 172	2.9 - 76	5.4	3	YES	ASL	6.794	95% KM (% Bootstrap) UCL
Barium	7440-39-3	172 / 172	8 - 360	71	22000	no	BSL		
Beryllium	7440-41-7	1 / 122	1.4 - 1.4	0.19	230	no	BSL		
Cadmium	7440-43-9	159 / 172	0.32 - 8.4	1.4	98	no	BSL		
Chromium	7440-47-3	172 / 172	2.9 - 120	24	180000	no	BSL		
Lead	7439-92-1	172 / 172	5.5 - 7200	335	800	YES	ASL	335	Arithmetic mean
Mercury	7439-97-6	163 / 172	0.034 - 96	1.8	4.6	YES	ASL	5.154	95% KM (Chebyshev) UCL
Nickel	7440-02-0	117 / 122	6.2 - 61	18	2200	no	BSL		
Selenium	7782-49-2	9 / 172	5.2 - 18	3.3	580	no	BSL		
Silver	7440-22-4	1 / 172	10 - 10	0.58	580	no	BSL		
Vanadium	7440-62-2	122 / 122	3.2 - 71	34	580	no	BSL		
Zinc	7440-66-6	122 / 122	12 - 1500	144	35000	no	BSL		
TPH (mg/Kg)									
Total Petroleum Hydrocarbons (C9-C36)	PHCC9C36	50 / 50	34 - 6900	926		YES	NSL	1312	95% H-UCL
VPH (mg/Kg)									
C5-C8 ALIPHATICS, ADJ.	HA-VPHC5-C8A	9 / 122	1.1 - 5.7	0.87		YES	NSL	1.199	95% KM (t) UCL
C9-C10 AROMATICS	HA-VPHC9-C10	31 / 122	1.1 - 12	1.6		YES	NSL	2.127	95% KM (Percentile Bootstrap) UCL
C9-C12 ALIPHATICS, ADJ.	HA-VPHC9-C12A	17 / 122	1.1 - 43	1.5		YES	NSL	2.374	95% KM (% Bootstrap) UCL
EPH (mg/Kg)									
C11-C22 AROMATICS, ADJ.	HA-EPHC11-C22A	102 / 121	28 - 2500	160		YES	NSL	205.5	95% KM (BCA) UCL
C19-C36 ALIPHATICS	HA-EPHC19-C36	98 / 121	28 - 2700	148		YES	NSL	202	95% KM (BCA) UCL
C9-C18 ALIPHATICS	HA-EPHC9-C18	21 / 121	32 - 2300	74		YES	NSL	118.8	95% KM (BCA) UCL

ABBREVIATIONS:
- EPC = exposure point concentration
- mg/kg = milligram per kilogram

NOTES:
- Only compounds detected above laboratory detection limits at least once are listed.
- Compounds were excluded as COC if the maximum detected levels in site-wide data did not exceed November 2015 Industrial Soil RSL (HI=0.1)
- Average levels are calculated as the arithmetic mean and use values of 1/2 the reporting limit for constituents that were not detected.
- Soil EPC is the average detected level of the COC.

The average for Total PCBs uses 1/2 the detection limit for those samples for which no aroclors were detected.

TABLE D-6
EXPOSURE PARAMETERS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

RECEPTOR			Child (Age 0-<6)		Adolescent (Age 6 - <16)		Adult (Ages 16 - 31)		Child, Adolescent, and Adult (Ages 1 - 31)		COMMERCIAL WORKER (ADULT)		CONSTRUCTION WORKER (ADULT)	
Standard Parameters														
Body Weight	BW	kg	15	EPA, 2014	44	EPA, 2011 [1]	80	EPA, 2014	NA		80	EPA, 2014	80	EPA, 2014
Exposure Frequency	EF	day/year	60	Site-specific [2]	60	Site-specific [2]	60	Site-specific [2]	60.0	Site-specific [2]	250	EPA, 2014	250 / 40	EPA, 2002 [5]
Exposure Duration	ED	year	6	EPA, 2014	10	Site-specific [3]	10	Site-specific [3]	26	EPA, 2014	25	EPA, 2014	1	EPA, 2002
Non–carcinogenic Averaging Time	AT	day	2190	Exposure duration expressed in days	3650	Exposure duration expressed in days	3650	Exposure duration expressed in days	9490	Exposure duration expressed in days	9125	Exposure duration expressed in days	365	Exposure duration expressed in days
Carcinogenic Averaging Time	$AT_{lifetime}$	day	25550	70 year lifetime	25550	70 year lifetime	25550	70 year lifetime	25550	70 year lifetime	25550	70 year lifetime	25550	70 year lifetime
Incidental Ingestion of Soil														
Soil Ingestion Rate	IR	mg/day	200	EPA, 2014	100	EPA, 2014	100	EPA, 2014	NA		100	EPA, 2014	330	EPA, 2002
Fraction Ingested	FI	unitless	1.0	Assumption	1.0	Assumption	1.0	Assumption	1.0	Assumption	1.0	EPA, 2014	1.0	EPA, 2002
Age-Adjusted Soil Ingestion Rate	IFSadj	mg-yr/kg-day	NA		NA		NA		115		31		4.1	
Dermal Exposure with Soil														
Exposed Skin Surface Area	SA	cm^2	2690	EPA, 2014	4050	Site-specific [4]	6032	EPA, 2014	NA		3470	EPA, 2014	3470	EPA, 2014
Soil Adherence Factor	AF	mg/cm^2	0.20	EPA, 2014	0.10	Site-specific [4]	0.07	EPA, 2014	NA		0.12	EPA, 2014	0.30	EPA, 2002
Fraction Dermal	EV	event/day	1.0	Assumption	1.0	Assumption	1.0	Assumption	1.0	Assumption	1.0	EPA, 2014	1.0	EPA, 2002
Age-Adjusted Dermal Contact Factor	DFSadj	mg-yr/kg-day	NA		NA		NA		360		130		13	
Particulate Inhalation														
Exposure Time	ET_{Part}	hours/day	2	Site-specific [2]	2	Site-specific [2]	2	Site-specific [2]	2	Site-specific [2]	8	EPA, 2014	8	EPA, 2002
Vapor Inhalation														
Exposure Time	ET_{Vap}	hours/day	2	Site-specific [2]	2	Site-specific [2]	2	Site-specific [2]	2	Site-specific [2]	8	EPA, 2014	8	EPA, 2002
Exposure Interval	s	seconds							8.2E+08	Equal to scenario ED	7.9E+08	Equal to scenario ED	3.2E+07	Equal to scenario ED

NOTES:
EPA, 2011 - Exposure Factors Handbook. EPA/600/R-10/030. October, 2011.
EPA, 2014 - Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. OSWER 9200.1-120. February 6, 2014
[1] - Table 8-1 of EPA (2011), Recommended Values for children ages 6 - <11 and 11 - <16;
[2] - Use as a parking lot. Assumes 2 visits per week, spring, summer, and fa
[3] - These populations are based on their age range (10 years for 6 - 16) and the balance of years that constitute a default 26-year residential exposure duratio
[4] - Based on surface area of face, hands, forearms, lower legs for children ages 6 - <11 and 11 - <16 and adherence factor for 'activities with soi
[5] - Cypher Street area is a small strip of land; utility and roadwork at street would realistically not require more than two months of construction work. The EF for that area is therefore 40 day
Values are based on time-weighted average of child, adolescent, and adult exposure values, calculated as follow
EF = (child EF x child ED) + (adolescent EF x adolescent ED) + (adult EF x adult ED) / total scenario E
IFSadj = (child ED x child IR / child BW) + (adolescent ED x adolescent IR / adolescent BW) + (adult ED x adult IR / adult BV
DFSadj = (child ED x child SA x child AF / child BW) + (adolescent ED x adolescent SA x adolescent AF / adolescent BW) + (adult ED x adult SA x adult AF / adult B
ET = (child ET x child ED) + (adolescent ET x adolescent ED) + (adult ET x adult ED) / total scenario E

TABLE D-7
TOXICITY VALUES
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

COPC	CAS	Chronic Oral Reference Dose RfD-o (mg/kg-day)	REF	Chronic Dermal Reference Dose RfD-d (mg/kg-day)	REF	Subchronic Oral Reference Dose RfD-o (mg/kg-day)	REF	Subchronic Dermal Reference Dose RfD-d (mg/kg-day)	REF	Chronic Inhalation Ref. Concentration RfC-i mg/m3	REF
Polychlorinated Biphenyls	1336-36-3	2.0E-05	I	2.0E-05	I	3.0E-05	A	3.0E-05	A	NA	
Benz[a]anthracene	56-55-3	NA		NA		NA		NA		NA	
Benzo[a]pyrene	50-32-8	NA		NA		NA		NA		NA	
Benzo[b]fluoranthene	205-99-2	NA		NA		NA		NA		NA	
Dibenz[a,h]anthracene	53-70-3	NA		NA		NA		NA		NA	
Indeno[1,2,3-cd]pyrene	193-39-5	NA		NA		NA		NA		NA	
Carbazole	86-74-8	NA		NA		NA		NA		NA	
Antimony	7440-36-0	4.0E-04	I	6.0E-05	I	4.0E-04	P	6.0E-05	P	NA	
Arsenic	7440-38-2	3.0E-04	I	3.0E-04	I	3.0E-04	Cr	3.0E-04	Cr	1.5E-05	C
Lead	7439-92-1	NA		NA		NA		NA		NA	
Thallium	7440-28-0	NA		NA		NA		NA		NA	
Cymene (p-Isopropyltoluene)	99-87-6	NA		NA		NA		NA		NA	

ABBREVIATIONS:
NA - Not available
NC - Not carcinogenic
A - Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Level (MRL)
C - California EPA
Cr - Chronic value
E - Environmental Criteria and Assessment Office (ECAO)
H - Health Effects Assessment Summary Tables (HEAST)
I - Integrated Risk Information System (IRIS)
M - MassDEP
P - Provisional Peer Reviewed Reference Toxicity Value (PPRTV)
S - Surrogate
X - Provisional Peer Reviewed Reference Toxicity Value (PPRTV) Appendix.

TABLE D-7
TOXICITY VALUES
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

COPC	CAS	Subchronic Inhalation Ref. Concentration RfC-i mg/m3	REF	Oral Cancer Slope Factor CSF-o 1/(mg/kg/day)	REF	Dermal Cancer Slope Factor CSF-d 1/(mg/kg/day)	REF	Inhalation Unit Risk UR 1/(µg/m3)	REF	Mutagen
Polychlorinated Biphenyls	1336-36-3	NA		2.0E+00	I	2.0E+00	I	5.7E-04	I	N
Benz[a]anthracene	56-55-3	NA		7.3E-01	E	7.3E-01	E	1.1E-04	C	Y
Benzo[a]pyrene	50-32-8	NA		7.3E+00	I	7.3E+00	I	1.1E-03	C	Y
Benzo[b]fluoranthene	205-99-2	NA		7.3E-01	E	7.3E-01	E	1.1E-04	C	Y
Dibenz[a,h]anthracene	53-70-3	NA		7.3E+00	E	7.3E+00	E	1.2E-03	C	Y
Indeno[1,2,3-cd]pyrene	193-39-5	NA		7.3E-01	E	7.3E-01	E	1.1E-04	C	Y
Carbazole	86-74-8	NA		NA		NA		NA		
Antimony	7440-36-0	NA		NC				NC		N
Arsenic	7440-38-2	1.5E-05	Cr	1.5E+00	I	1.5E+00	I	4.3E-03	I	N
Lead	7439-92-1	NA		NC				NC		N
Thallium	7440-28-0	NA		NC				NC		N
Cymene (p-Isopropyltoluene)	99-87-6	NA								

ABBREVIATIONS:
NA - Not available
NC - Not carcinogenic
A - Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Level (MRL)
C - California EPA
Cr - Chronic value
E - Environmental Criteria and Assessment Office (ECAO)
H - Health Effects Assessment Summary Tables (HEAST)
I - Integrated Risk Information System (IRIS)
M - MassDEP
P - Provisional Peer Reviewed Reference Toxicity Value (PPRTV)
S - Surrogate
X - Provisional Peer Reviewed Reference Toxicity Value (PPRTV) Appendix.

TABLE D-8
RISK SUMMARY
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Exposure Point	Exposure Medium	Receptor	Exposure Route	HI	ELCR
Parking Area Backfill	Soil	Commercial Worker	Incidental Ingestion	8E-02	7E-06
			Dermal Contact	4E-02	3E-06
			Particulate Inhalation	2E-06	6E-11
				1E-01	1E-05
		BCEC Visitor	Incidental Ingestion	2E-01	7E-06
			Dermal Contact	7E-02	2E-06
			Particulate Inhalation	1E-07	4E-12
				3E-01	9E-06
TSCA Site	Surface Soil (0 - 2 ft)	Construction Worker	Incidental Ingestion	7E-01	1E-06
			Dermal Contact	3E-01	5E-07
			Particulate Inhalation	2E-05	2E-11
			Ambient Vapor Inhalation	NA	NA
				9E-01	2E-06
		Commercial Worker	Incidental Ingestion	3E-01	1E-05
			Dermal Contact	2E-01	5E-06
			Particulate Inhalation	2E-05	6E-10
			Ambient Vapor Inhalation	NA	NA
				5E-01	2E-05
		BCEC Visitor	Incidental Ingestion	7E-01	9E-06
			Dermal Contact	3E-01	3E-06
			Particulate Inhalation	1E-06	4E-11
			Ambient Vapor Inhalation	NA	NA
				1E+00	1E-05
	Cypher Street Soil (AB, 0-15 ft)	Construction Worker	Incidental Ingestion	6E-01	9E-07
			Dermal Contact	2E-01	4E-07
			Particulate Inhalation	1E-05	1E-11
			Ambient Vapor Inhalation	NA	NA
				8E-01	1E-06

ABBREVIATIONS:
HI - Hazard Index
ELCR - Excess Lifetime Cancer Risk
NOTES:
Risk calculations are documented in Attachment C.

ATTACHMENT A
ANALYTICAL DATA USED IN RISK ASSESSMENT

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
A10	A10_S1_0.4-6.3	02/06/2015	0.4 - 6.3 ft	N		X	
A10	A10_S2_0.4-2.3	02/06/2015	0.4 - 2.3 ft	N		X	
A10	A10_S3_2.3-4.3	02/06/2015	2.3 - 4.3 ft	N		X	
A11	A11_S1_4-9	12/28/2010	4 - 9 ft	N		X	
A11	A11_S2_9-14	12/28/2010	9 - 14 ft	N		X	
A11	A11_S3_14-19	12/28/2010	14 - 19 ft	N		X	
A11A	A11A_S1_1.2-2.2	11/30/2015	1.2 - 2.2 ft	N		X	
A11A	A11A_S2_2.2-4.2	11/30/2015	2.2 - 4.2 ft	N		X	
A11A	A11A_S3_4.2-6.2	11/30/2015	4.2 - 6.2 ft	N		X	
A11A	A11A_S4_6.2-8.2	11/30/2015	6.2 - 8.2 ft	N		X	
A12	A12_S1_0.5-2.2	07/19/2010	0.5 - 2.2 ft	N		X	
A12	A12_S10_20-22	07/19/2010	20 - 22 ft	N			
A12	A12_S2_4-6	07/19/2010	4 - 6 ft	N		X	
A12	A12_S3_8-10	07/19/2010	8 - 10 ft	N		X	
A12	A12_S4_10-12	07/19/2010	10 - 12 ft	N		X	
A12	A12_S5_12-14	07/19/2010	12 - 14 ft	N		X	
A12	A12_S6_4-14	07/19/2010	4 - 14 ft	N		X	
A12	A12_S7_14-16	07/19/2010	14 - 16 ft	N		X	
A12	A12_S8_16-18	07/19/2010	16 - 18 ft	N			
A12	A12_S9_18-20	07/19/2010	18 - 20 ft	N			
A12A	A12A_S1_4-9	12/28/2010	4 - 9 ft	N		X	
A12A	A12a_S2_9-14	12/28/2010	9 - 14 ft	N		X	
A12A	A12a_S3_14-19	12/28/2010	14 - 19 ft	N		X	
A13	A13_S1_0.5-3.5	07/19/2010	0.5 - 3.5 ft	N		X	
A13	A13_S2_5.5-7.5	07/19/2010	5.5 - 7.5 ft	N		X	
A13	A13_S3_7.5-9.5	07/19/2010	7.5 - 9.5 ft	N		X	
A13	A13_S4_9.5-11.5	07/19/2010	9.5 - 11.5 ft	N		X	
A13	A13_S5_11.5-13.5	07/19/2010	11.5 - 13.5 ft	N		X	
A13	A13_S6_13.5-15.5	07/19/2010	13.5 - 15.5 ft	N		X	
A13	A13_S7_5.5-15.5	07/19/2010	5.5 - 15.5 ft	N		X	
A13	A13_S8_19.5-21.5	07/19/2010	19.5 - 21.5 ft	N			
A13	A13_S9_21.5-23.5	07/19/2010	21.5 - 23.5 ft	N			
A14	A14_S1_1-2.4	07/20/2010	1 - 2.4 ft	N		X	
A14	A14_S10_18-20	07/20/2010	18 - 20 ft	N			
A14	A14_S11_20-22	07/20/2010	20 - 22 ft	N			
A14	A14_S2_4-6	07/20/2010	4 - 6 ft	N		X	
A14	A14_S3_6-8	07/20/2010	6 - 8 ft	N		X	
A14	A14_S4_8-10	07/20/2010	8 - 10 ft	N		X	
A14	A14_S5_10-12	07/20/2010	10 - 12 ft	N		X	
A14	A14_S6_12-14	07/20/2010	12 - 14 ft	N		X	
A14	A14_S7_4-14	07/20/2010	4 - 14 ft	N		X	
A14	A14_S8_14-16	07/20/2010	14 - 16 ft	N		X	
A14	A14_S9_16-18	07/20/2010	16 - 18 ft	N			
A15	A15_S1_0.7-1.7	07/19/2010	0.7 - 1.7 ft	N		X	
A15	A15_S10_15.7-17.7	07/19/2010	15.7 - 17.7 ft	N			
A15	A15_S11_17.7-19.7	07/19/2010	17.7 - 19.7 ft	N			
A15	A15_S12_19.7-21	07/19/2010	19.7 - 21 ft	N			
A15	A15_S13_21-21.7	07/19/2010	21 - 21.7 ft	N			
A15	A15_S2_1.7-3.7	07/19/2010	1.7 - 3.7 ft	N		X	
A15	A15_S3_3.7-4.5	07/19/2010	3.7 - 4.5 ft	N		X	
A15	A15_S4_5.7-7.7	07/19/2010	5.7 - 7.7 ft	N		X	
A15	A15_S5_7.7-9.7	07/19/2010	7.7 - 9.7 ft	N		X	
A15	A15_S6_9.7-11.7	07/19/2010	9.7 - 11.7 ft	N		X	
A15	A15_S7_0.7-10.7	07/19/2010	0.7 - 10.7 ft	N		X	
A15	A15_S8_11.7-13.7	07/19/2010	11.7 - 13.7 ft	N		X	
A15	A15_S9_13.7-15.7	07/19/2010	13.7 - 15.7 ft	N		X	
A16	A16_S1_1-1.5	07/19/2010	1 - 1.5 ft	N		X	
A16	A16_S10_15.5-17.5	07/19/2010	15.5 - 17.5 ft	N			
A16	A16_S11_17.5-19.5	07/19/2010	17.5 - 19.5 ft	N			
A16	A16_S12_19.5-21.5	07/19/2010	19.5 - 21.5 ft	N			
A16	A16_S2_1.5-3.5	07/19/2010	1.5 - 3.5 ft	N		X	
A16	A16_S3_3.5-5.5	07/19/2010	3.5 - 5.5 ft	N		X	
A16	A16_S4_5.5-7.5	07/19/2010	5.5 - 7.5 ft	N		X	
A16	A16_S5_7.5-9.5	07/19/2010	7.5 - 9.5 ft	N		X	
A16	A16_S6_9.5-11.5	07/19/2010	9.5 - 11.5 ft	N		X	
A16	A16_S7_1-11	07/19/2010	1 - 11 ft	N		X	
A16	A16_S8_11.5-13.5	07/19/2010	11.5 - 13.5 ft	N		X	
A16	A16_S9_13.5-15.5	07/19/2010	13.5 - 15.5 ft	N		X	
A17	A17_S1_1.5-3.5	12/28/2010	1.5 - 3.5 ft	N		X	
A17	A17_S2_3.5-5.5	12/28/2010	3.5 - 5.5 ft	N		X	
A17	A17_S3_5.5-7.5	12/28/2010	5.5 - 7.5 ft	N		X	
A17	A17_S4_7.5-9.5	12/28/2010	7.5 - 9.5 ft	N		X	
A17	A17_S5_9.5-11.5	12/28/2010	9.5 - 11.5 ft	N		X	
A17	A17_S6_11.5-13.5	12/28/2010	11.5 - 13.5 ft	N		X	
A17	A17_S7_13.5-15.5	12/28/2010	13.5 - 15.5 ft	N		X	
A17	A17_S8_15.5-17.5	12/28/2010	15.5 - 17.5 ft	N			
A18	A18_S1_1.4-3.4	12/29/2010	1.4 - 3.4 ft	N		X	
A18	A18_S2_3.4-5.4	12/29/2010	3.4 - 5.4 ft	N		X	
A18	A18_S3_5.4-7.4	12/29/2010	5.4 - 7.4 ft	N		X	
A18	A18_S4_7.4-9.4	12/29/2010	7.4 - 9.4 ft	N		X	
A18	A18_S5_9.4-11.4	12/29/2010	9.4 - 11.4 ft	N		X	

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
A18	A18_S6_11.4-13.4	12/29/2010	11.4 - 13.4 ft	N		X	
A18	A18_S7_13.4-15.4	12/29/2010	13.4 - 15.4 ft	N		X	
A18	A18_S8_15.4-17.4	12/29/2010	15.4 - 17.4 ft	N			
A18	X18_S3_5.4-7.4	12/29/2010	5.4 - 7.4 ft	FD		X	
A19	A19_S1_1.3-3.3	12/29/2010	1.3 - 3.3 ft	N		X	
A19	A19_S2_3.3-5.3	12/29/2010	3.3 - 5.3 ft	N		X	
A19	A19_S3_5.3-7.3	12/29/2010	5.3 - 7.3 ft	N		X	
A19	A19_S4_7.3-9.3	12/29/2010	7.3 - 9.3 ft	N		X	
A19	A19_S5_9.3-11.3	12/29/2010	9.3 - 11.3 ft	N		X	
A19	A19_S6_11.3-13.3	12/29/2010	11.3 - 13.3 ft	N		X	
A19	Y24_S1_1-3	12/29/2010	9.3 - 11.3 ft	FD		X	
A20	A20_S1_0.0-1.0	11/30/2015	0 - 1 ft	N		X	
A20	A20_S2_1.0-3.0	11/30/2015	1 - 3 ft	N		X	
A20	A20_S3_3.0-5.0	11/30/2015	3 - 5 ft	N		X	
A20	A20_S4_5.0-7.0	11/30/2015	5 - 7 ft	N		X	
A21	A21_S1_0.4-2.5	11/30/2015	0.4 - 2.5 ft	N		X	
A21	A21_S2_2.5-4.5	11/30/2015	2.5 - 4.5 ft	N		X	
A21	A21_S3_4.5-6.5	11/30/2015	4.5 - 6.5 ft	N		X	
A5	A5_S1_0.3-5.9	02/06/2015	0.3 - 5.9 ft	N		X	X
A5	A5_S2_5.9-7.9	02/06/2015	5.9 - 7.9 ft	N		X	
A5	A5_S3_0.3-1.9	02/06/2015	0.3 - 1.9 ft	N		X	X
A5	A5_S4_1.9-3.9	02/06/2015	1.9 - 3.9 ft	N		X	X
A5	A5_S5_3.9-5.9	02/06/2015	3.9 - 5.9 ft	N		X	
A5	A5_S6_5.9-7.9	02/06/2015	5.9 - 7.9 ft	N		X	
A6	A6_S1_1.7-5.9	02/06/2015	1.7 - 5.9 ft	N		X	
A6	A6_S2_5.9-7.9	02/06/2015	5.9 - 7.9 ft	N		X	
A6	A6_S3_1.9-3.9	02/06/2015	1.9 - 3.9 ft	N		X	
A6	A6_S4_3.9-5.9	02/06/2015	3.9 - 5.9 ft	N		X	
A6	A6_S5_5.9-7.9	02/06/2015	5.9 - 7.9 ft	N		X	
A7	A7_S1_0.6-2.1	02/06/2015	0.6 - 2.1 ft	N		X	
A7	A7_S2_2.1-4.1	02/06/2015	2.1 - 4.1 ft	N		X	
A7	A7_S3_4.1-6.1	02/06/2015	4.1 - 6.1 ft	N		X	
A8	A8_S1_0.6-6.2	02/06/2015	0.6 - 6.2 ft	N		X	
A8	A8_S2_6.2-8.2	02/06/2015	6.2 - 8.2 ft	N		X	
A8	A8_S3_0.6-2.2	02/06/2015	0.6 - 2.2 ft	N		X	
A8	A8_S4_2.2-4.2	02/06/2015	2.2 - 4.2 ft	N		X	
A8	A8_S5_4.2-6.2	02/06/2015	4.2 - 6.2 ft	N		X	
A8	A8_S6_6.2-8.2	02/06/2015	6.2 - 8.2 ft	N		X	
A9	A9_S1_0.7-6.3	02/06/2015	0.7 - 6.3 ft	N		X	
A9	A9_S2_6.3-8.3	02/06/2015	6.3 - 8.3 ft	N		X	
A9	A9_S3_0.7-2.3	02/06/2015	0.7 - 2.3 ft	N		X	
A9	A9_S4_2.3-4.3	02/06/2015	2.3 - 4.3 ft	N		X	
A9	A9_S5_4.3-6.3	02/06/2015	4.3 - 6.3 ft	N		X	
A9	A9_S6_6.3-8.3	02/06/2015	6.3 - 8.3 ft	N		X	
B10	B10_S1_0.9-6.6	02/05/2015	0.9 - 6.6 ft	N		X	
B10	B10_S2_0.9-2.6	02/05/2015	0.9 - 2.6 ft	N		X	
B10	B10_S3_2.6-4.6	02/05/2015	2.6 - 4.6 ft	N		X	
B10	B10_S4_4.6-6.6	02/05/2015	4.6 - 6.6 ft	N		X	
B10	B10_S5_6.6-8.6	02/05/2015	6.6 - 8.6 ft	N		X	
B11	B11_S1_0.9-6.5	02/05/2015	0.9 - 6.5 ft	N		X	
B11	B11_S2_2.5-4.5	02/05/2015	2.5 - 4.5 ft	N		X	
B11	B11_S3_4.5-6.5	02/05/2015	4.5 - 6.5 ft	N		X	
B11	B11_S4_6.5-8.5	02/05/2015	6.5 - 8.5 ft	N		X	
B11	B11_S5_0.9-2.5	02/05/2015	0.9 - 2.5 ft	N		X	
B12	B12_S1_0.8-2	07/14/2010	0.8 - 2 ft	N		X	
B12	B12_S10_18-20	07/14/2010	18 - 20 ft	N			
B12	B12_S11_20-22	07/14/2010	20 - 22 ft	N			
B12	B12_S12_22-23.2	07/14/2010	22 - 23.2 ft	N			
B12	B12_S13_23.2-24	07/14/2010	23.2 - 24 ft	N			
B12	B12_S14_0.8-14	07/14/2010	0.8 - 14 ft	N		X	
B12	B12_S2_2-4	07/14/2010	2 - 4 ft	N		X	
B12	B12_S3_4-6	07/14/2010	4 - 6 ft	N		X	
B12	B12_S4_6-8	07/14/2010	6 - 8 ft	N		X	
B12	B12_S5_8-10	07/14/2010	8 - 10 ft	N		X	
B12	B12_S6_10-12	07/14/2010	10 - 12 ft	N		X	
B12	B12_S7_12-14	07/14/2010	12 - 14 ft	N		X	
B12	B12_S8_14-16	07/14/2010	14 - 16 ft	N		X	
B12	B12_S9_16-18	07/14/2010	16 - 18 ft	N			
B13	B13_S1_0.6-4.1	07/14/2010	0.6 - 4.1 ft	N		X	
B13	B13_S10_18.1-20.1	07/14/2010	18.1 - 20.1 ft	N			
B13	B13_S11_20.1-22.1	07/14/2010	20.1 - 22.1 ft	N			
B13	B13_S12_22.1-24.1	07/14/2010	22.1 - 24.1 ft	N			
B13	B13_S2_4.1-6.1	07/14/2010	4.1 - 6.1 ft	N		X	
B13	B13_S3_6.1-8.1	07/14/2010	6.1 - 8.1 ft	N		X	
B13	B13_S4_8.1-10.1	07/14/2010	8.1 - 10.1 ft	N		X	
B13	B13_S5_4.1-10.1	07/14/2010	4.1 - 10.1 ft	N		X	
B13	B13_S6_10.1-12.1	07/14/2010	10.1 - 12.1 ft	N		X	
B13	B13_S7_12.1-14.1	07/14/2010	12.1 - 14.1 ft	N		X	
B13	B13_S8_14.1-16.1	07/14/2010	14.1 - 16.1 ft	N		X	
B13	B13_S9_16.1-18.1	07/14/2010	16.1 - 18.1 ft	N			
B14	B14_S1_1.5-2.3	07/14/2010	1.5 - 2.3 ft	N		X	

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
B14	B14_S10_17.5-19.5	07/14/2010	17.5 - 19.5 ft	N			
B14	B14_S11_19.5-21.5	07/14/2010	19.5 - 21.5 ft	N			
B14	B14_S2_4-5.5	07/14/2010	4 - 5.5 ft	N		X	
B14	B14_S3_5.5-7.5	07/14/2010	5.5 - 7.5 ft	N		X	
B14	B14_S4_7.5-9.5	07/14/2010	7.5 - 9.5 ft	N		X	
B14	B14_S5_9.5-11.5	07/14/2010	9.5 - 11.5 ft	N		X	
B14	B14_S6_11.5-13.5	07/14/2010	11.5 - 13.5 ft	N		X	
B14	B14_S7_4-13.5	07/14/2010	4 - 13.5 ft	N		X	
B14	B14_S8_13.5-15.5	07/14/2010	13.5 - 15.5 ft	N		X	
B14	B14_S9_15.5-17.5	07/14/2010	15.5 - 17.5 ft	N			
B15	B15_S1_2.5-3.5	07/15/2010	2.5 - 3.5 ft	N		X	
B15	B15_S10_19.5-21.5	07/15/2010	19.5 - 21.5 ft	N			
B15	B15_S2_3.5-5.5	07/15/2010	3.5 - 5.5 ft	N		X	
B15	B15_S3_5.5-7.5	07/15/2010	5.5 - 7.5 ft	N		X	
B15	B15_S4_7.5-9.5	07/15/2010	7.5 - 9.5 ft	N		X	
B15	B15_S5_9.5-11.5	07/15/2010	9.5 - 11.5 ft	N		X	
B15	B15_S6_2.5-12.5	07/15/2010	2.5 - 12.5 ft	N		X	
B15	B15_S7_11.5-13.5	07/15/2010	11.5 - 13.5 ft	N		X	
B15	B15_S8_13.5-15.5	07/15/2010	13.5 - 15.5 ft	N		X	
B15	B15_S9_17.5-19.5	07/15/2010	17.5 - 19.5 ft	N			
B16	B16_S1_2-3.5	07/13/2010	2 - 3.5 ft	N		X	
B16	B16_S10_17.5-19.5	07/13/2010	17.5 - 19.5 ft	N			
B16	B16_S11_19.5-21.5	07/13/2010	19.5 - 21.5 ft	N			
B16	B16_S2_3.5-5.5	07/13/2010	3.5 - 5.5 ft	N		X	
B16	B16_S3_5.5-7.5	07/13/2010	5.5 - 7.5 ft	N		X	
B16	B16_S4_7.5-9.5	07/13/2010	7.5 - 9.5 ft	N		X	
B16	B16_S5_9.5-11.5	07/13/2010	9.5 - 11.5 ft	N		X	
B16	B16_S6_2-11.5	07/13/2010	2 - 11.5 ft	N		X	
B16	B16_S7_11.5-13.5	07/13/2010	11.5 - 13.5 ft	N		X	
B16	B16_S8_13.5-15.5	07/13/2010	13.5 - 15.5 ft	N		X	
B16	B16_S9_15.5-17.5	07/13/2010	15.5 - 17.5 ft	N			
B16A	B16A_S1_0.7-7.5	02/05/2015	0.7 - 7.5 ft	N		X	
B16A	B16A_S2_7.5-13.5	02/05/2015	7.5 - 13.5 ft	N		X	
B17	B17_S1_1-3	07/15/2010	1 - 3 ft	N		X	
B17	B17_S2_3-5	07/15/2010	3 - 5 ft	N		X	
B17	B17_S3_5-7	07/15/2010	5 - 7 ft	N		X	
B17	B17_S4_7-9	07/15/2010	7 - 9 ft	N		X	
B17	B17_S5_11-13	07/16/2010	11 - 13 ft	N		X	
B17	B17_S6_3-13	07/16/2010	3 - 13 ft	N		X	
B17	B17_S7_13-15	07/16/2010	13 - 15 ft	N		X	
B17	B17_S8_17-19	07/16/2010	17 - 19 ft	N			
B17	B17_S9_21-23	07/16/2010	21 - 23 ft	N			
B18	B18_S1_0.5-2.2	07/15/2010	0.5 - 2.2 ft	N		X	
B18	B18_S10_21.5-23	07/15/2010	21.5 - 23 ft	N			
B18	B18_S11_2.6-11	07/15/2010	2.6 - 11 ft	N		X	
B18	B18_S2_2.6-3	07/15/2010	2.6 - 3 ft	N		X	
B18	B18_S3_3-5	07/15/2010	3 - 5 ft	N		X	
B18	B18_S4_7-9	07/15/2010	7 - 9 ft	N		X	
B18	B18_S5_9-11	07/15/2010	9 - 11 ft	N		X	
B18	B18_S6_11-13	07/15/2010	11 - 13 ft	N		X	
B18	B18_S7_15-17	07/15/2010	15 - 17 ft	N			
B18	B18_S8_17-19	07/15/2010	17 - 19 ft	N			
B18	B18_S9_19-21	07/15/2010	19 - 21 ft	N			
B19	B19_S1_0.5-1	07/15/2010	0.5 - 1 ft	N		X	
B19	B19_S10_15-17	07/16/2010	15 - 17 ft	N			
B19	B19_S11_17-19	07/16/2010	17 - 19 ft	N			
B19	B19_S12_19-21	07/16/2010	19 - 21 ft	N			
B19	B19_S2_1-3	07/15/2010	1 - 3 ft	N		X	
B19	B19_S3_3-5	07/15/2010	3 - 5 ft	N		X	
B19	B19_S4_5-7	07/15/2010	5 - 7 ft	N		X	
B19	B19_S5_7-9	07/15/2010	7 - 9 ft	N		X	
B19	B19_S6_9-11	07/15/2010	9 - 11 ft	N		X	
B19	B19_S7_11-13	07/15/2010	11 - 13 ft	N		X	
B19	B19_S8_0.5-13	07/16/2010	0.5 - 13 ft	N		X	
B19	B19_S9_13-15	07/16/2010	13 - 15 ft	N		X	
B20	B20_S1_1.1-3.1	12/29/2010	1.1 - 3.1 ft	N		X	
B20	B20_S2_3.1-5.1	12/29/2010	3.1 - 5.1 ft	N		X	
B20	B20_S3_5.1-7.1	12/29/2010	5.1 - 7.1 ft	N		X	
B20	B20_S4_7.1-9.1	12/29/2010	7.1 - 9.1 ft	N		X	
B20	B20_S5_9.1-11.1	12/29/2010	9.1 - 11.1 ft	N		X	
B20	B20_S6_11.1-13.1	12/29/2010	11.1 - 13.1 ft	N		X	
B21	B21_S1_3-4	01/14/2011	3 - 4 ft	N		X	
B21	B21_S2_4-5	01/14/2011	4 - 5 ft	N		X	
B21	B21_S3_5-7	01/14/2011	5 - 7 ft	N		X	
B21	B21_S4_7-9	01/14/2011	7 - 9 ft	N		X	
B22	B22_S1_0.0-0.8	11/30/2015	0 - 0.8 ft	N		X	X
B22	B22_S2_0.8-2.8	11/30/2015	0.8 - 2.8 ft	N		X	X
B22	B22_S3_2.8-4.8	11/30/2015	2.8 - 4.8 ft	N		X	
B22	B22_S4_4.8-6.8	11/30/2015	4.8 - 6.8 ft	N		X	
B5	B5_S1_0.9-5.8	02/05/2015	0.9 - 5.8 ft	N		X	X
B5	B5_S2_5.8-7.8	02/05/2015	5.8 - 7.8 ft	N		X	

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
B5	B5_S3_0.9-1.8	02/05/2015	0.9 - 1.8 ft	N		X	X
B5	B5_S4_1.8-3.8	02/05/2015	1.8 - 3.8 ft	N		X	X
B5	B5_S5_3.8-5.8	02/05/2015	3.8 - 5.8 ft	N		X	
B5	B5_S6_5.8-7.8	02/05/2015	5.8 - 7.8 ft	N		X	
B6	B6_S1_1.0-2.1	02/05/2015	1 - 2.1 ft	N		X	
B6	B6_S2_2.1-4.1	02/05/2015	2.1 - 4.1 ft	N		X	
B6	B6_S3_4.1-6.1	02/05/2015	4.1 - 6.1 ft	N		X	
B7	B7_S1_2-4	01/14/2011	2 - 4 ft	N		X	
B7	B7_S2_4-6	01/14/2011	4 - 6 ft	N		X	
B7	B7_S3_6-8	01/14/2011	6 - 8 ft	N		X	
B7	B7_S4_8-10	01/14/2011	8 - 10 ft	N		X	
B7	Z7_S1_2-4	01/14/2011	2 - 4 ft	FD		X	
B7A	B7A_S1_1.1-6.2	02/05/2015	1.1 - 6.2 ft	N		X	
B7A	B7A_S2_2.2-4.2	02/05/2015	2.2 - 4.2 ft	N		X	
B8	B8_S1_3-4	01/14/2011	3 - 4 ft	N		X	
B8	B8_S2_4-6	01/14/2011	4 - 6 ft	N		X	
B8	B8_S3_6-8	01/14/2011	6 - 8 ft	N		X	
B8	B8_S4_8-10	01/14/2011	8 - 10 ft	N		X	
B8	B8_S5_10-12	01/14/2011	10 - 12 ft	N		X	
B8	X8_S2_4-6	01/14/2011	4 - 6 ft	FD		X	
B9	B9_S1_1.4-2.6	02/05/2015	1.4 - 2.6 ft	N		X	
B9	B9_S2_2.6-4.6	02/05/2015	2.6 - 4.6 ft	N		X	
B9	B9_S3_4.6-6.6	02/05/2015	4.6 - 6.6 ft	N		X	
B9	B9_S4_6.6-8.6	02/05/2015	6.6 - 8.6 ft	N		X	
C10	C10_S1_4.3-5.3	01/30/2015	4.3 - 5.3 ft	N			
C10	C10_S2_5.3-7.3	01/30/2015	5.3 - 7.3 ft	N			
C10	C10_S3_7.3-9.3	01/30/2015	7.3 - 9.3 ft	N			
C11	C11_S1_4.5-7.0	12/17/2010	4.5 - 7 ft	N			
C11	C11_S1_4.5-9.5	12/17/2010	4.5 - 9.5 ft	N			
C11	C11_S2_7-9	12/17/2010	7 - 9 ft	N			
C11	C11_S3_9-11	12/17/2010	9 - 11 ft	N			
C11	C11_S4_9.5-14.5	12/17/2010	9.5 - 14.5 ft	N			
C11	C11_S5_14.5-19.5	12/17/2010	14.5 - 19.5 ft	N			
C11	Z11_S3_9-11	12/17/2010	9 - 11 ft	FD			
C12	C12_S1_0.2-3.8	07/12/2010	0.2 - 3.8 ft	N	X		X
C12	C12_S10_19.2-21.2	07/12/2010	19.2 - 21.2 ft	N			
C12	C12_S11_21.2-23.2	07/12/2010	21.2 - 23.2 ft	N			
C12	C12_S12_4.5-18.5	07/12/2010	4.5 - 18.5 ft	N			
C12	C12_S13_23.2-24	07/12/2010	23.2 - 24 ft	N			
C12	C12_S14_24-25.2	07/12/2010	24 - 25.2 ft	N			
C12	C12_S2_4.5-5.2	07/12/2010	4.5 - 5.2 ft	N			
C12	C12_S3_5.2-7.2	07/12/2010	5.2 - 7.2 ft	N			
C12	C12_S4_7.2-9.2	07/12/2010	7.2 - 9.2 ft	N			
C12	C12_S5_9.2-11.2	07/12/2010	9.2 - 11.2 ft	N			
C12	C12_S6_11.2-13.2	07/12/2010	11.2 - 13.2 ft	N			
C12	C12_S7_13.2-15.2	07/12/2010	13.2 - 15.2 ft	N			
C12	C12_S8_15.2-17.2	07/12/2010	15.2 - 17.2 ft	N			
C12	C12_S9_17.2-19.2	07/12/2010	17.2 - 19.2 ft	N			
C13	C13_S1_0.5-2.5	07/01/2010	0.5 - 2.5 ft	N	X		X
C13	C13_S10_18-20	07/02/2010	18 - 20 ft	N			
C13	C13_S11_20-22	07/02/2010	20 - 22 ft	N			
C13	C13_S2_4.0-6.0	07/01/2010	4 - 6 ft	N			
C13	C13_S3_6.0-8.0	07/01/2010	6 - 8 ft	N			
C13	C13_S4_3-10	07/02/2010	3 - 10 ft	N			
C13	C13_S5_8-10	07/02/2010	8 - 10 ft	N			
C13	C13_S6_10-12	07/02/2010	10 - 12 ft	N			
C13	C13_S7_12-14	07/02/2010	12 - 14 ft	N			
C13	C13_S8_14-16	07/02/2010	14 - 16 ft	N			
C13	C13_S9_16-18	07/02/2010	16 - 18 ft	N			
C14	C14_S1_0.5-4.6	06/29/2010	0.5 - 4.6 ft	N	X		X
C14	C14_S10_19-21	06/29/2010	19 - 21 ft	N			
C14	C14_S11_21-22.8	06/29/2010	21 - 22.8 ft	N			
C14	C14_S12_23-25	06/29/2010	23 - 25 ft	N			
C14	C14_S2_5-7	06/29/2010	5 - 7 ft	N			
C14	C14_S3_7.5-9	06/29/2010	7.5 - 9 ft	N			
C14	C14_S4_9-11	06/29/2010	9 - 11 ft	N			
C14	C14_S5_11-13	06/29/2010	11 - 13 ft	N			
C14	C14_S6_13-15	06/29/2010	13 - 15 ft	N			
C14	C14_S7_4.9-19	06/29/2010	4.9 - 19 ft	N			
C14	C14_S8_15-17	06/29/2010	15 - 17 ft	N			
C14	C14_S9_17-19	06/29/2010	17 - 19 ft	N			
C15	C15_S1_0.3-4.5	06/30/2010	0.3 - 4.5 ft	N	X		X
C15	C15_S2_4.8-6.8	06/30/2010	4.8 - 6.8 ft	N			
C15	C15_S3_6.8-8.8	06/30/2010	6.8 - 8.8 ft	N			
C15	C15_S4_12.8-14.8	06/30/2010	12.8 - 14.8 ft	N			
C15	C15_S5_14.8-16.8	06/30/2010	14.8 - 16.8 ft	N			
C15	C15_S6_16.8-18.8	06/30/2010	16.8 - 18.8 ft	N			
C15	C15_S7_18.8-20.8	06/30/2010	18.8 - 20.8 ft	N			
C15	C15_S8_4.8-19.1	06/30/2010	4.8 - 19.1 ft	N			
C15	C15_S9_22.8-24.8	06/30/2010	22.8 - 24.8 ft	N			
C15A	C15A_S1_5.0-9.0	12/21/2010	5 - 9 ft	N			

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SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
C15A	C15A_S2_9.0-14.0	12/21/2010	9 - 14 ft	N			
C15A	C15A_S3_14.0-19.0	12/21/2010	14 - 19 ft	N			
C15A	C15A_S4_19.0-23.5	12/21/2010	19 - 23.5 ft	N			
C15A	C15A_S5_23.5-28.0	12/21/2010	23.5 - 28 ft	N			
C16	C16_S1_0.5-4.8	06/30/2010	0.5 - 4.8 ft	N	X		X
C16	C16_S10_20.6-21.8	07/01/2010	20.6 - 21.8 ft	N			
C16	C16_S11_21.8-22.6	07/01/2010	21.8 - 22.6 ft	N			
C16	C16_S2_5-7	06/30/2010	5 - 7 ft	N			
C16	C16_S3_7-9	06/30/2010	7 - 9 ft	N			
C16	C16_S4_10.6-12.6	07/01/2010	10.6 - 12.6 ft	N			
C16	C16_S5_12.6-14.6	07/01/2010	12.6 - 14.6 ft	N			
C16	C16_S6_14.6-16.6	07/01/2010	14.6 - 16.6 ft	N			
C16	C16_S7_16.6-18.6	07/01/2010	16.6 - 18.6 ft	N			
C16	C16_S8_5.1-16.6	07/01/2010	5.1 - 16.6 ft	N			
C16	C16_S9_18.6-20.6	07/01/2010	18.6 - 20.6 ft	N			
C17	C17_S1_0.6-4.6	07/01/2010	0.6 - 4.6 ft	N	X		X
C17	C17_S10_22.6-24.6	07/01/2010	22.6 - 24.6 ft	N			
C17	C17_S11_24.6-26.6	07/01/2010	24.6 - 26.6 ft	N			
C17	C17_S2_4.6-6.6	07/01/2010	4.6 - 6.6 ft	N			
C17	C17_S3_6.6-8.6	07/01/2010	6.6 - 8.6 ft	N			
C17	C17_S4_8.6-10.6	07/01/2010	8.6 - 10.6 ft	N			
C17	C17_S5_10.6-12.6	07/01/2010	10.6 - 12.6 ft	N			
C17	C17_S6_12.6-14.6	07/01/2010	12.6 - 14.6 ft	N			
C17	C17_S7_14.6-18.6	07/01/2010	14.6 - 18.6 ft	N			
C17	C17_S8_18.6-20.6	07/01/2010	18.6 - 20.6 ft	N			
C17	C17_S9_4.9-22.6	07/01/2010	4.9 - 22.6 ft	N			
C17A	C17A_S1_4.9-8.7	01/30/2015	4.9 - 8.7 ft	N			
C18	C18_S1_0.5-4.4	07/13/2010	0.5 - 4.4 ft	N	X		X
C18	C18_S10_23.0-23.2	07/16/2010	23 - 23.2 ft	N			
C18	C18_S11_23.2-25	07/16/2010	23.2 - 25 ft	N			
C18	C18_S4_9-11	07/13/2010	9 - 11 ft	N			
C18	C18_S5_11-13	07/13/2010	11 - 13 ft	N			
C18	C18_S6_13-15	07/13/2010	13 - 15 ft	N			
C18	C18_S7_5-19	07/13/2010	5 - 19 ft	N			
C18	C18_S8_19-21	07/16/2010	19 - 21 ft	N			
C18	C18_S9_21-23	07/16/2010	21 - 23 ft	N			
C19	C19_S1_0.4-4.7	07/02/2010	0.4 - 4.7 ft	N	X		X
C19	C19_S10_19-21	07/02/2010	19 - 21 ft	N			
C19	C19_S11_21-23	07/02/2010	21 - 23 ft	N			
C19	C19_S12_23-23.5	07/02/2010	23 - 23.5 ft	N			
C19	C19_S13_23.5-25	07/02/2010	23.5 - 25 ft	N			
C19	C19_S2_5-7	07/02/2010	5 - 7 ft	N			
C19	C19_S3_7-9	07/02/2010	7 - 9 ft	N			
C19	C19_S4_9-11	07/02/2010	9 - 11 ft	N			
C19	C19_S5_11-13	07/02/2010	11 - 13 ft	N			
C19	C19_S6_13-15	07/02/2010	13 - 15 ft	N			
C19	C19_S7_15-17	07/02/2010	15 - 17 ft	N			
C19	C19_S8_17-19	07/02/2010	17 - 19 ft	N			
C19	C19_S9_5.1-17	07/02/2010	5.1 - 17 ft	N			
C20	C20_S1_0.6-5.5	07/12/2010	0.6 - 5.5 ft	N	X		X
C20	C20_S10_18.6-20.6	07/13/2010	18.6 - 20.6 ft	N			
C20	C20_S11_20.6-22.6	07/13/2010	20.6 - 22.6 ft	N			
C20	C20_S12_22.6-24	07/13/2010	22.6 - 24 ft	N			
C20	C20_S13_24-24.6	07/13/2010	24 - 24.6 ft	N			
C20	C20_S2_6.1-6.6	07/12/2010	6.1 - 6.6 ft	N			
C20	C20_S3_6.6-8.6	07/12/2010	6.6 - 8.6 ft	N			
C20	C20_S4_8.6-10.6	07/12/2010	8.6 - 10.6 ft	N			
C20	C20_S5_10.6-12.6	07/13/2010	10.6 - 12.6 ft	N			
C20	C20_S6_12.6-14.6	07/13/2010	12.6 - 14.6 ft	N			
C20	C20_S7_14.6-16.6	07/13/2010	14.6 - 16.6 ft	N			
C20	C20_S8_16.6-18.6	07/13/2010	16.6 - 18.6 ft	N			
C20	C20_S9_6.1-18.6	07/13/2010	6.1 - 18.6 ft	N			
C21	C21_S1_5.0-8.4	12/21/2010	5 - 8.4 ft	N			
C21	C21_S2_8.4-10.4	12/21/2010	8.4 - 10.4 ft	N			
C21	C21_S3_10.4-12.4	12/21/2010	10.4 - 12.4 ft	N			
C21	C21_S4_12.4-14.4	12/21/2010	12.4 - 14.4 ft	N			
C21	Z21_S1_5.0-8.4	12/21/2010	5 - 8.4 ft	FD			
C21A	C21A_S1_4.4-8.2	01/30/2015	4.4 - 8.2 ft	N			
C21A	C21A_S2_4.4-6.2	01/30/2015	4.4 - 6.2 ft	N			
C21A	C21A_S3_6.2-8.2	01/30/2015	6.2 - 8.2 ft	N			
C22	C22_S1_4.4-8.2	01/30/2015	4.4 - 8.2 ft	N			
C22	C22_S2_4.4-6.2	01/30/2015	4.4 - 6.2 ft	N			
C22	C22_S3_6.2-8.2	01/30/2015	6.2 - 8.2 ft	N			
C22	C22_S4_8.2-10.2	01/30/2015	8.2 - 10.2 ft	N			
C23	C23_S1_2.9-3.9	11/30/2015	2.9 - 3.9 ft	N			
C23	C23_S2_3.9-5.9	11/30/2015	3.9 - 5.9 ft	N			
C23	C23_S3_5.9-7.9	11/30/2015	5.9 - 7.9 ft	N			
C23	C23_S4_7.9-9.9	11/30/2015	7.9 - 9.9 ft	N			
C4	C4_S1_0.7-1.7	12/01/2015	0.7 - 1.7 ft	N			X
C4	C4_S2_1.7-3.7	12/01/2015	1.7 - 3.7 ft	N			X
C4	C4_S3_3.7-5.7	12/01/2015	3.7 - 5.7 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
C4	C4_S4_5.7-7.7	12/01/2015	5.7 - 7.7 ft	N			
C5	C5_S1_1-6	01/29/2015	1 - 6 ft	N			X
C5	C5_S2_6-8	01/29/2015	6 - 8 ft	N			
C5	C5_S3_1-2	01/29/2015	1 - 2 ft	N			X
C5	C5_S4_2-4	01/29/2015	2 - 4 ft	N			
C5	C5_S5_4-6	01/29/2015	4 - 6 ft	N			
C5	C5_S6_6-8	01/29/2015	6 - 8 ft	N			
C6	C6_S1_2-5	01/10/2011	2 - 5 ft	N			
C6	C6_S2_5-7	01/10/2011	5 - 7 ft	N			
C6	C6_S3_7-9	01/10/2011	7 - 9 ft	N			
C6	Z6_S1_2-5	01/10/2011	2 - 5 ft	FD			
C6A	C6A_S1_1-6.5	01/29/2015	1 - 6.5 ft	N			
C6A	C6A_S2_6.5-8.5	01/29/2015	6.5 - 8.5 ft	N			
C6A	C6A_S3_1-2.5	01/29/2015	1 - 2.5 ft	N			
C6A	C6A_S4_2.5-4.5	01/29/2015	2.5 - 4.5 ft	N			
C7	C7_S1_0-4	12/16/2010	0 - 4 ft	N	X		X
C7	C7_S2_4.6-7.0	12/16/2010	4.6 - 7 ft	N			
C7	C7_S3_7-9	12/16/2010	7 - 9 ft	N			
C7	C7_S4_9-11	12/16/2010	9 - 11 ft	N			
C7A	C7A_S1_4.3-7.0	01/29/2015	4.3 - 7 ft	N			
C7A	C7A_S2_4.9-6.9	01/29/2015	4.9 - 6.9 ft	N			
C8	C8_S1_0.0-4.0	12/16/2010	0 - 4 ft	N	X		X
C8	C8_S2_4.3-6.5	12/16/2010	4.3 - 6.5 ft	N			
C8	C8_S3_4.3-8.0	12/16/2010	4.3 - 8 ft	N			
C8	C8_S4_9.0-11.0	12/16/2010	9 - 11 ft	N			
C8	C8_S5_11.0-13.0	12/16/2010	11 - 13 ft	N			
C8	C8_S5_8.0-13.0	12/16/2010	8 - 13 ft	N			
C8	C8_S6_13.0-15.0	12/16/2010	13 - 15 ft	N			
C8	C8_S7_15.0-17.0	12/16/2010	15 - 17 ft	N			
C8	C8_S8_7.0-9.0	12/16/2010	7 - 9 ft	N			
C9	C9_S1_5-7	01/10/2011	5 - 7 ft	N			
C9	C9_S2_7.0-7.7	01/10/2011	7 - 7.7 ft	N			
C9	C9_S2_8-9	01/11/2011	8 - 9 ft	N			
C9	C9_S3_9-11	01/11/2011	9 - 11 ft	N			
C9	C9_S4_11-13	01/11/2011	11 - 13 eq/L	N			
C9	Z9_S2_8-9	01/11/2011	8 - 9 ft	FD			
C9A	C9A_S1_4.3-9.3	01/30/2015	4.4 - 8.2 ft	N			
D10	D10_S1_4.8-9.1	02/11/2015	4.8 - 9.1 ft	N			
D10	D10_S2_5.1-7.1	02/11/2015	5.1 - 7.1 ft	N			
D10	D10_S3_7.1-9.1	02/11/2015	7.1 - 9.1 ft	N			
D10	D10_S4_9.1-11.1	02/11/2015	9.1 - 11.1 ft	N			
D11	D11_S1_7.1-9.1	02/25/2015	7.1 - 9.1 ft	N			
D11	D11_S2_7.1-9.1	02/25/2015	7.1 - 9.1 ft	N			
D11	D11_S3_9.1-11.1	02/25/2015	9.1 - 11.1 ft	N			
D12	D12_S1_1-3	12/17/2010	1 - 3 ft	N	X		X
D12	D12_S2_3-4.3	12/17/2010	3 - 4.3 ft	N	X		
D12	D12_S3_7-9	12/17/2010	7 - 9 ft	N			
D12	D12_S4_7-10	12/17/2010	7 - 10 ft	N			
D12	D12_S5_9-11	12/17/2010	9 - 11 ft	N			
D12	D12_S6_10-15	12/17/2010	10 - 15 ft	N			
D12	D12_S7_11-13	12/17/2010	11 - 13 ft	N			
D12	D12_S8_15-18	12/20/2010	15 - 18 ft	N			
D12	Y22_S1_0-2	12/17/2010	3 - 4.3 ft	FD	X		
D13	D13_S1_0.4-3.7	06/03/2010	0.4 - 3.7 ft	N	X		X
D13	D13_S12_19.2-21.2	06/07/2010	19.2 - 21.2 ft	N			
D13	D13_S13_21.2-23.2	06/07/2010	21.2 - 23.2 ft	N			
D13	D13_S14_23.2-25.2	06/07/2010	23.2 - 25.2 ft	N			
D13	D13_S2_5.3-15.2	06/04/2010	5.3 - 15.2 ft	N			
D13	D13_S3_5.3-6.5	06/04/2010	5.3 - 6.5 ft	N			
D13	D13_S4_7.2-8.2	06/04/2010	7.2 - 8.2 ft	N			
D13	D13_S5_11.2-13.2	06/04/2010	11.2 - 13.2 ft	N			
D13	D13_S6_13.2-15.2	06/04/2010	13.2 - 15.2 ft	N			
D13	D13_S7_15.2-17.2	06/04/2010	15.2 - 17.2 ft	N			
D13	D13_S8_17.2-19.2	06/04/2010	17.2 - 19.2 ft	N			
D13A	D13A_S1_6.4-11.1	02/11/2015	6.4 - 11.1 ft	N			
D13A	D13A_S2_6.4-9.1	02/11/2015	6.4 - 9.1 ft	N			
D13A	D13A_S3_9.1-11.1	02/11/2015	9.1 - 11.1 ft	N			
D14	D14_S1_0.5-5.5	06/03/2010	0.5 - 5.5 ft	N	X		X
D14	D14_S10_22-23	06/03/2010	22 - 23 ft	N			
D14	D14_S2_6-17	06/03/2010	6 - 17 ft	N			
D14	D14_S4_9-11	06/03/2010	9 - 11 ft	N			
D14	D14_S5_11-13	06/03/2010	11 - 13 ft	N			
D14	D14_S6_13-15	06/03/2010	13 - 15 ft	N			
D14	D14_S7_15-17	06/03/2010	15 - 17 ft	N			
D14	D14_S8_17-19	06/03/2010	17 - 19 ft	N			
D14	D14_S9_19-21	06/03/2010	19 - 21 ft	N			
D15	D15_S1_0.4-4.8	06/02/2010	0.4 - 4.8 ft	N	X		X
D15	D15_S10_19-20.2	06/03/2010	19 - 20.2 ft	N			
D15	D15_S11_20.2-23.2	06/03/2010	20.2 - 23.2 ft	N			
D15	D15_S12_23.2-24.2	06/03/2010	23.2 - 24.2 ft	N			
D15	D15_S2_5.2-18.2	06/02/2010	5.2 - 18.2 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
D15	D15_S4_5.2-6.2	06/02/2010	5.2 - 6.2 ft	N			
D15	D15_S5_8.2-10.2	06/02/2010	8.2 - 10.2 ft	N			
D15	D15_S6_10.2-12.2	06/02/2010	10.2 - 12.2 ft	N			
D15	D15_S7_12.2-14.2	06/02/2010	12.2 - 14.2 ft	N			
D15	D15_S8_14.2-16.2	06/02/2010	14.2 - 16.2 ft	N			
D15	D15_S9_16.2-18.2	06/02/2010	16.2 - 18.2 ft	N			
D15	D15_S9_18.2-19	06/03/2010	18.2 - 19 ft	N			
D16	D16_S1_5.2-7.2	12/17/2010	5.2 - 7.2 ft	N			
D16	D16_S10_14.2-19.2	12/20/2010	14.2 - 19.2 ft	N			
D16	D16_S11_19.2-21.2	12/20/2010	19.2 - 21.2 ft	N			
D16	D16_S12_21.2-23.2	12/20/2010	21.2 - 23.2 ft	N			
D16	D16_S2_7.2-9.2	12/17/2010	7.2 - 9.2 ft	N			
D16	D16_S3_5.2-9.2	12/17/2010	5.2 - 9.2 ft	N			
D16	D16_S4_9.2-11.2	12/17/2010	9.2 - 11.2 ft	N			
D16	D16_S5_11.2-13.2	12/17/2010	11.2 - 13.2 ft	N			
D16	D16_S6_9.2-14.2	12/17/2010	9.2 - 14.2 ft	N			
D16	D16_S7_13.2-15.2	12/17/2010	13.2 - 15.2 ft	N			
D16	D16_S8_15.2-17.2	12/17/2010	15.2 - 17.2 ft	N			
D16	D16_S9_17.2-19.2	12/20/2010	17.2 - 19.2 ft	N			
D17	D17_S1_0-4.6	06/02/2010	0 - 4.6 ft	N	X		X
D17	D17_S10_21.2-23.2	06/03/2010	21.2 - 23.2 ft	N			
D17	D17_S11_23.2-25.2	06/03/2010	23.2 - 25.2 ft	N			
D17	D17_S2_5.2-7.2	06/02/2010	5.2 - 7.2 ft	N			
D17	D17_S3_7.2-9.2	06/02/2010	7.2 - 9.2 ft	N			
D17	D17_S4_9.2-11.2	06/02/2010	9.2 - 11.2 ft	N			
D17	D17_S5_11.2-13.2	06/02/2010	11.2 - 13.2 ft	N			
D17	D17_S6_13.2-15.2	06/03/2010	13.2 - 15.2 ft	N			
D17	D17_S6_5.2-13.2	06/02/2010	5.2 - 13.2 ft	N			
D17	D17_S7_15.2-17.2	06/03/2010	15.2 - 17.2 ft	N			
D17	D17_S8_17.2-19.2	06/03/2010	17.2 - 19.2 ft	N			
D17	D17_S9_19.2-21.2	06/03/2010	19.2 - 21.2 ft	N			
D18	D18_S1_0-3.9	06/03/2010	0 - 3.9 ft	N	X		X
D18	D18_S10_23-25	06/03/2010	23 - 25 ft	N			
D18	D18_S2_5-6.1	06/03/2010	5 - 6.1 ft	N			
D18	D18_S3_11-13	06/03/2010	11 - 13 ft	N			
D18	D18_S4_13-15	06/03/2010	13 - 15 ft	N			
D18	D18_S5_5-15	06/03/2010	5 - 15 ft	N			
D18	D18_S6_15-17	06/03/2010	15 - 17 ft	N			
D18	D18_S7_17-19	06/03/2010	17 - 19 ft	N			
D18	D18_S8_19-21	06/03/2010	19 - 21 ft	N			
D18	D18_S9_21-23	06/03/2010	21 - 23 ft	N			
D19	D19_S1_0.4-4.8	06/02/2010	0.4 - 4.8 ft	N	X		X
D19	D19_S2_16-18	06/03/2010	16 - 18 ft	N			
D19	D19_S2_5.2-6.8	06/02/2010	5.2 - 6.8 ft	N			
D19	D19_S3_18-20	06/03/2010	18 - 20 ft	N			
D19	D19_S4_20-22	06/03/2010	20 - 22 ft	N			
D19	D19_S5_22-24	06/03/2010	22 - 24 ft	N			
D19A	D19A_S1_4.8-8.8	02/10/2015	4.8 - 8.8 ft	N			
D19A	D19A_S2_4.8-6.8	02/10/2015	4.8 - 6.8 ft	N			
D19A	D19A_S3_6.8-8.8	02/10/2015	6.8 - 8.8 ft	N			
D19A	D19A_S4_8.8-10.8	02/10/2015	8.8 - 10.8 ft	N			
D20	D20_S1_6.7-8.7	12/20/2010	6.7 - 8.7 ft	N			
D20	D20_S2_8.7-10.7	12/20/2010	8.7 - 10.7 ft	N			
D20	D20_S3_10.7-12.7	12/20/2010	10.7 - 12.7 ft	N			
D20	D20_S4_12.7-14.7	12/20/2010	12.7 - 14.7 ft	N			
D21	D21_S1_5-8.4	01/11/2011	5 - 8.4 ft	N			
D21	D21_S2_8.4-10.4	01/11/2011	8.4 - 10.4 ft	N			
D21	D21_S3_10.4-12.4	01/11/2011	10.4 - 12.4 ft	N			
D21	D21_S4_12.4-14.4	01/11/2011	12.4 - 14.4 ft	N			
D21A	D21A_S1_5.3-8.6	02/10/2015	5.3 - 8.6 ft	N			
D21A	D21A_S2_5.3-6.6	02/10/2015	5.3 - 6.6 ft	N			
D21A	D21A_S3_6.6-8.6	02/10/2015	6.6 - 8.6 ft	N			
D22	D22_S1_4.4-6.4	02/10/2015	4.4 - 6.4 ft	N			
D22	D22_S2_6.4-8.4	02/10/2015	6.4 - 8.4 ft	N			
D4	D4_S1_0.8-1.8	11/19/2015	0.8 - 1.8 ft	N			X
D4	D4_S2_1.8-3.8	11/19/2015	1.8 - 3.8 ft	N			X
D4	D4_S3_3.8-5.8	11/19/2015	3.8 - 5.8 ft	N			
D4	D4_S4_5.8-7.8	11/19/2015	5.8 - 7.8 ft	N			
D4	Z4_S2_1.8-3.8	11/19/2015	1.8 - 3.8 ft	FD			X
D5	D5_S1_1.5-2.5	12/01/2015	1.5 - 2.5 ft	N			X
D5	D5_S2_2.5-4.5	12/01/2015	2.5 - 4.5 ft	N			
D5	D5_S3_4.5-6.5	12/01/2015	4.5 - 6.5 ft	N			
D5	D5_S4_6.5-8.5	12/01/2015	6.5 - 8.5 ft	N			
D6	D6_S1_1.7-2.7	11/30/2015	1.7 - 2.7 ft	N			
D6	D6_S2_2.7-4.7	11/30/2015	2.7 - 4.7 ft	N			
D6	D6_S3_4.7-6.7	11/30/2015	4.7 - 6.7 ft	N			
D6	D6_S4_6.7-8.7	11/30/2015	6.7 - 8.7 ft	N			
D7	D7_S1_0.5-1.3	06/08/2010	0.5 - 1.3 ft	N	X		X
D7	D7_S10_16.5-18.5	06/08/2010	16.5 - 18.5 ft	N			
D7	D7_S11_18.5-20.5	06/08/2010	18.5 - 20.5 ft	N			
D7	D7_S12_20.5-22.5	06/08/2010	20.5 - 22.5 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
D7	D7_S13_22.5-24.0	06/08/2010	22.5 - 24 ft	N			
D7	D7_S14_24.0-24.5	06/08/2010	24 - 24.5 ft	N			
D7	D7_S2_2.5-4.2	06/08/2010	2.5 - 4.2 ft	N			
D7	D7_S3_4.5-6.5	06/08/2010	4.5 - 6.5 ft	N			
D7	D7_S4_6.5-8.5	06/08/2010	6.5 - 8.5 ft	N			
D7	D7_S5_8.5-10.5	06/08/2010	8.5 - 10.5 ft	N			
D7	D7_S6_10.5-12.5	06/08/2010	10.5 - 12.5 ft	N			
D7	D7_S7_12.5-14.5	06/08/2010	12.5 - 14.5 ft	N			
D7	D7_S8_2.1-12.1	06/08/2010	2.1 - 12.1 ft	N			
D7	D7_S9_14.5-16.5	06/08/2010	14.5 - 16.5 ft	N			
D8	D8_S1_0.5-1.4	06/07/2010	0.5 - 1.4 ft	N	X		X
D8	D8_S10_15.5-17.5	06/08/2010	15.5 - 17.5 ft	N			
D8	D8_S11_17.5-19.5	06/08/2010	17.5 - 19.5 ft	N			
D8	D8_S12_19.5-21.5	06/08/2010	19.5 - 21.5 ft	N			
D8	D8_S13_21.5-23.5	06/08/2010	21.5 - 23.5 ft	N			
D8	D8_S14_23.5-25.5	06/08/2010	23.5 - 25.5 ft	N			
D8	D8_S2_0.5-2.4	06/07/2010	0.5 - 2.4 ft	N	X		X
D8	D8_S3_3.4-5.4	06/07/2010	3.4 - 5.4 ft	N			
D8	D8_S4_5.4-7.4	06/07/2010	5.4 - 7.4 ft	N			
D8	D8_S5_7.4-9.4	06/07/2010	7.4 - 9.4 ft	N			
D8	D8_S6_9.5-11.5	06/08/2010	9.5 - 11.5 ft	N			
D8	D8_S7_11.5-13.5	06/08/2010	11.5 - 13.5 ft	N			
D8	D8_S8_3.1-13.1	06/08/2010	3.1 - 13.1 ft	N			
D8	D8_S9_13.5-15.5	06/08/2010	13.5 - 15.5 ft	N			
D8A	D8A_S1_0-2.9	12/15/2010	0 - 2.9 ft	N	X		X
D8A	D8A_S2_4-5	12/15/2010	4 - 5 ft	N			
D8A	D8A_S3_4-8	12/15/2010	4 - 8 ft	N			
D8A	D8A_S3_5-7	12/15/2010	5 - 7 ft	N			
D8A	D8A_S4_7-9	12/15/2010	7 - 9 ft	N			
D8A	D8A_S5_9-11	12/15/2010	9 - 11 ft	N			
D8A	D8A_S6_11-13	12/15/2010	11 - 13 ft	N			
D8A	D8A_S6_8-13	12/15/2010	8 - 13 ft	N			
D8A	D8A_S7_13-15	12/15/2010	13 - 15 ft	N			
D8A	D8A_S8_13-19	12/15/2010	13 - 19 ft	N			
D9	D9_S1_0-4.2	12/15/2010	0 - 4.2 ft	N	X		X
D9	D9_S2_3-8	12/15/2010	3 - 8 ft	N	X		
D9	D9_S3_5-7	12/15/2010	5 - 7 ft	N			
D9	D9_S4_7-8	12/15/2010	7 - 8 ft	N			
D9	D9_S5_8-13	12/15/2010	8 - 13 ft	N			
D9	D9_S6_9-11	12/15/2010	9 - 11 ft	N			
D9	D9_S7_11-13	12/15/2010	11 - 13 ft	N			
D9	D9_S8_13-15	12/15/2010	13 - 15 ft	N			
D9	D9_S8_13-18	12/15/2010	13 - 18 ft	N			
D9	D9_S9_15-17	12/15/2010	15 - 17 ft	N			
D9A	D9A_S1_7.0-8.9	02/27/2015	7 - 8.9 ft	N			
E10	E10_S1_6.3-9.2	02/11/2015	6.3 - 9.2 ft	N			
E10	E10_S2_6.3-7.2	02/11/2015	6.3 - 7.2 ft	N			
E10	E10_S3_7.2-9.2	02/11/2015	7.2 - 9.2 ft	N			
E10	E10_S4_9.2-11.2	02/11/2015	9.2 - 11.2 ft	N			
E11	E11_S1_8.0-9.5	02/25/2015	8 - 9.5 ft	N			
E11	E11_S2_8.0-9.5	02/25/2015	8 - 9.5 ft	N			
E11	E11_S3_9.5-11.5	02/25/2015	9.5 - 11.5 ft	N			
E12	E12_S1_7.2-9.6	02/11/2015	7.2 - 9.6 ft	N			
E12	E12_S2_7.2-7.6	02/11/2015	7.2 - 7.6 ft	N			
E12	E12_S3_7.6-9.6	02/11/2015	7.6 - 9.6 ft	N			
E12	E12_S4_9.6-11.6	02/11/2015	9.6 - 11.6 ft	N			
E13	E13_S1_0-2.2	06/04/2010	0 - 2.2 ft	N	X		X
E13	E13_S10_23.5-25.5	06/07/2010	23.5 - 25.5 ft	N			
E13	E13_S2_9.5-11.5	06/04/2010	9.5 - 11.5 ft	N			
E13	E13_S3_11.5-12.9	06/04/2010	11.5 - 12.9 ft	N			
E13	E13_S4_6.5-12.9	06/04/2010	6.5 - 12.9 ft	N			
E13	E13_S5_13.5-15.5	06/04/2010	13.5 - 15.5 ft	N			
E13	E13_S6_15.5-17.5	06/07/2010	15.5 - 17.5 ft	N			
E13	E13_S7_17.5-19.5	06/07/2010	17.5 - 19.5 ft	N			
E13	E13_S8_19.5-21.5	06/07/2010	19.5 - 21.5 ft	N			
E13	E13_S9_21.5-23.5	06/07/2010	21.5 - 23.5 ft	N			
E14	E14_S1_0.5-6.0	06/03/2010	0.5 - 6 ft	N	X		X
E14	E14_S10_24-26	06/07/2010	24 - 26 ft	N			
E14	E14_S3_10.0-12.0	06/03/2010	10 - 12 ft	N			
E14	E14_S3_12-14	06/07/2010	12 - 14 ft	N			
E14	E14_S4_12.0-14.0	06/03/2010	12 - 14 ft	N			
E14	E14_S4_14-16	06/07/2010	14 - 16 ft	N			
E14	E14_S5_12-16	06/07/2010	12 - 16 ft	N			
E14	E14_S6_16-18	06/07/2010	16 - 18 ft	N			
E14	E14_S7_18-20	06/07/2010	18 - 20 ft	N			
E14	E14_S8_20-22	06/07/2010	20 - 22 ft	N			
E14	E14_S9_22-24	06/07/2010	22 - 24 ft	N			
E14A	E14A_S1_7.0-14.1	02/26/2015	7 - 14.1 ft	N			
E15	E15_S1_0.5-5.5	01/10/2011	0.5 - 5.5 ft	N	X		X
E15	E15_S10_16.5-21.5	01/10/2011	16.5 - 21.5 ft	N			
E15	E15_S11_21.5-23.5	01/10/2011	21.5 - 23.5 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
E15	E15_S2_7.5-9.5	01/10/2011	7.5 - 9.5 ft	N			
E15	E15_S3_9.5-11.5	01/10/2011	9.5 - 11.5 ft	N			
E15	E15_S4_7.5-11.5	01/10/2011	7.5 - 11.5 ft	N			
E15	E15_S5_11.5-13.5	01/10/2011	11.5 - 13.5 ft	N			
E15	E15_S6_16-17.5	01/10/2011	16 - 17.5 ft	N			
E15	E15_S7_11.5-16.5	01/10/2011	11.5 - 16.5 ft	N			
E15	E15_S8_17.5-19.5	01/10/2011	17.5 - 19.5 ft	N			
E15	E15_S9_19.5-21.5	01/10/2011	19.5 - 21.5 ft	N			
E16	E16_S1_5.1-9.4	01/23/2015	5.1 - 9.4 ft	N			
E16	E16_S2_5.5-7.5	01/23/2015	5.5 - 7.5 ft	N			
E17	E17_S1_4.3-9.0	02/10/2015	4.3 - 9 ft	N			
E17	E17_S2_4.3-5.0	02/10/2015	4.3 - 5 ft	N			
E17	E17_S3_5.0-7.0	02/10/2015	5 - 7 ft	N			
E18	E18_S1_10-15	01/07/2011	10 - 15 ft	N			
E18	E18_S2_15-20	01/07/2011	15 - 20 ft	N			
E21	E21_S1_4.5-5.5	02/10/2015	4.5 - 5.5 ft	N			
E21	E21_S1_7.0-8.5	02/26/2015	7 - 8.5 ft	N			
E22	E22_S1_0.3-8.3	02/10/2015	0.3 - 8.3 ft	N	X		
E22	E22_S2_0.3-4.3	02/10/2015	0.3 - 4.3 ft	N	X		
E22	E22_S3_4.3-6.3	02/10/2015	4.3 - 6.3 ft	N			
E3	E3_S1_0.0-1.2	12/01/2015	0 - 1.2 ft	N			X
E3	E3_S2_1.2-3.2	12/01/2015	1.2 - 3.2 ft	N			X
E3	E3_S3_3.2-5.2	12/01/2015	3.2 - 5.2 ft	N			
E3	E3_S4_5.2-7.2	12/01/2015	5.2 - 7.2 ft	N			
E4	E4_S1_1.2-2.2	11/19/2015	1.2 - 2.2 ft	N			X
E4	E4_S2_2.2-4.2	11/19/2015	2.2 - 4.2 ft	N			
E4	E4_S3_4.2-6.2	11/19/2015	4.2 - 6.2 ft	N			
E4	E4_S4_6.2-8.2	11/19/2015	6.2 - 8.2 ft	N			
E5	E5_S1_1.8-2.8	12/01/2015	1.8 - 2.8 ft	N			X
E5	E5_S2_2.8-4.8	12/01/2015	2.8 - 4.8 ft	N			
E5	E5_S3_4.8-6.8	12/01/2015	4.8 - 6.8 ft	N			
E5	E5_S4_6.8-8.8	12/01/2015	6.8 - 8.8 ft	N			
E6	E6_S1_1.6-2.6	11/30/2015	1.6 - 2.6 ft	N			X
E6	E6_S2_2.6-4.6	11/30/2015	2.6 - 4.6 ft	N			
E6	E6_S3_4.6-6.6	11/30/2015	4.6 - 6.6 ft	N			
E6	E6_S4_6.6-8.6	11/30/2015	6.6 - 8.6 ft	N			
E7	E7_S1_0.5-2.0	06/25/2010	0.5 - 2 ft	N	X		X
E7	E7_S10_18.5-20.5	06/28/2010	18.5 - 20.5 ft	N			
E7	E7_S11_20.5-22.5	06/28/2010	20.5 - 22.5 ft	N			
E7	E7_S2_4.5-6.5	06/25/2010	4.5 - 6.5 ft	N			
E7	E7_S3_6.5-8.5	06/25/2010	6.5 - 8.5 ft	N			
E7	E7_S4_8.5-10.5	06/25/2010	8.5 - 10.5 ft	N			
E7	E7_S5_4.5-10.5	06/25/2010	4.5 - 10.5 ft	N			
E7	E7_S6_10.5-12.5	06/25/2010	10.5 - 12.5 ft	N			
E7	E7_S7_12.5-14.5	06/25/2010	12.5 - 14.5 ft	N			
E7	E7_S8_14.5-16.5	06/28/2010	14.5 - 16.5 ft	N			
E7	E7_S9_16.5-18.5	06/28/2010	16.5 - 18.5 ft	N			
E8	E8_S01_1.0-3.0	06/07/2010	1 - 3 ft	N	X		X
E8	E8_S02_5.0-7.0	06/07/2010	5 - 7 ft	N			
E8	E8_S10_21.0-23.0	06/07/2010	21 - 23 ft	N			
E8	E8_S11_23.0-25.0	06/07/2010	23 - 25 ft	N			
E8	E8_S12_5.0-15.0	06/07/2010	5 - 15 ft	N			
E8	E8_S3_7.0-9.0	06/07/2010	7 - 9 ft	N			
E8	E8_S4_9.0-11.0	06/07/2010	9 - 11 ft	N			
E8	E8_S5_11.0-13.0	06/07/2010	11 - 13 ft	N			
E8	E8_S6_13.0-15.0	06/07/2010	13 - 15 ft	N			
E8	E8_S7_15.0-17.0	06/07/2010	15 - 17 ft	N			
E8	E8_S8_17.0-19.0	06/07/2010	17 - 19 ft	N			
E8	E8_S9_19.0-21.0	06/07/2010	19 - 21 ft	N			
E9	E9_S1_4.8-9.3	02/11/2015	4.8 - 9.3 ft	N			
E9	E9_S2_9.3-11.3	02/11/2015	9.3 - 11.3 ft	N			
E9	E9_S3_4.8-5.3	02/11/2015	4.8 - 5.3 ft	N			
E9	E9_S4_5.3-7.3	02/11/2015	5.3 - 7.3 ft	N			
E9	E9_S5_7.3-9.3	02/11/2015	7.3 - 9.3 ft	N			
E9	E9_S6_9.3-11.3	02/11/2015	9.3 - 11.3 ft	N			
F10	F10_S1_5.9-9.4	02/11/2015	5.9 - 9.4 ft	N			
F10	F10_S2_5.9-7.4	02/11/2015	5.9 - 7.4 ft	N			
F10	F10_S3_7.4-9.4	02/11/2015	7.4 - 9.4 ft	N			
F10	F10_S4_9.4-11.4	02/11/2015	9.4 - 11.4 ft	N			
F11	F11_S1_0.6-5.8	01/06/2011	0.6 - 5.8 ft	N	X		X
F11	F11_S10_21.6-23.6	01/06/2011	21.6 - 23.6 ft	N			
F11	F11_S11_23.6-25.6	01/06/2011	23.6 - 25.6 ft	N			
F11	F11_S12_25.6-27.6	01/06/2011	25.6 - 27.6 ft	N			
F11	F11_S2_7.6-9.6	01/06/2011	7.6 - 9.6 ft	N			
F11	F11_S3_9.6-11	01/06/2011	9.6 - 11 ft	N			
F11	F11_S4_11.6-13.6	01/06/2011	11.6 - 13.6 ft	N			
F11	F11_S5_13.6-15.6	01/06/2011	13.6 - 15.6 ft	N			
F11	F11_S6_15.6-17.6	01/06/2011	15.6 - 17.6 ft	N			
F11	F11_S7_7.6-17.6	01/06/2011	7.6 - 17.6 ft	N			
F11	F11_S8_17.6-19.6	01/06/2011	17.6 - 19.6 ft	N			
F11	F11_S9_19.6-21.6	01/06/2011	19.6 - 21.6 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
F12	F12_S1_8.8-9.7	02/23/2015	8.8 - 9.7 ft	N			
F12	F12_S2_8.8-9.7	02/23/2015	8.8 - 9.7 ft	N			
F12	F12_S3_9.7-11.7	02/23/2015	9.7 - 11.7 ft	N			
F13	F13_S1_0.5-7.4	12/22/2010	0.5 - 7.4 ft	N	X		X
F13	F13_S2_8.8-9.8	12/22/2010	8.8 - 9.8 ft	N			
F13	F13_S3_9.8-11.8	12/22/2010	9.8 - 11.8 ft	N			
F13	F13_S4_11.8-13.8	12/22/2010	11.8 - 13.8 ft	N			
F13	F13_S5_8.8-13.8	12/22/2010	8.8 - 13.8 ft	N			
F13	F13_S6_13.8-15.8	12/22/2010	13.8 - 15.8 ft	N			
F13	F13_S7_15.8-17.8	12/22/2010	15.8 - 17.8 ft	N			
F13	F13_S8_17.8-19.8	12/22/2010	17.8 - 19.8 ft	N			
F13	F13_S9_13.8-18.8	12/22/2010	13.8 - 18.8 ft	N			
F13	X11_S8_17.6-19.6	01/06/2011	17.6 - 19.6 ft	FD			
F13	X13_S6_13.8-15.8	12/22/2010	13.8 - 15.8 ft	FD			
F14	F14_S1_0.7-7.0	01/07/2011	0.7 - 7 ft	N	X		X
F14	F14_S5_13.7-15.7	01/07/2011	13.7 - 15.7 ft	N			
F14	F14_S6_15.7-17.7	01/07/2011	15.7 - 17.7 ft	N			
F14	Z14_S1_0.7-7.0	01/07/2011	0.7 - 7 ft	FD	X		X
F15	F15_S1_0.5-5.4	12/22/2010	0.5 - 5.4 ft	N	X		X
F15	F15_S2_16.5-18.5	12/23/2010	16.5 - 18.5 ft	N			
F15	F15_S3_16.5-18.5	12/23/2010	16.5 - 18.5 ft	N			
F3	F3_S1_0-1.4	11/19/2015	0.1 - 1.4 ft	N			X
F3	F3_S2_1.4-3.4	11/19/2015	1.4 - 2.4 ft	N			X
F3	F3_S3_3.4-5.4	11/19/2015	3.4 - 5.4 ft	N			
F3	F3-S4_5.4-7.4	11/19/2015	5.4 - 7.4 ft	N			
F4	F4_S1_0.9-1.9	11/19/2015	0.9 - 1.9 ft	N			X
F4	F4_S2_1.9-3.9	11/19/2015	1.9 - 3.9 ft	N			X
F4	F4_S3_3.9-5.9	11/19/2015	3.9 - 5.9 ft	N			
F4	F4_S4_5.9-7.9	11/19/2015	5.9 - 7.9 ft	N			
F5	F5_S1_1.2-2.2	12/01/2015	1.2 - 2.2 ft	N			X
F5	F5_S2_2.2-4.2	12/01/2015	2.2 - 4.2 ft	N			
F5	F5_S3_4.2-6.2	12/01/2015	4.2 - 6.2 ft	N			
F5	F5_S4_6.2-8.2	12/01/2015	6.2 - 8.2 ft	N			
F6	F6_S1_1.1-2.1	11/30/2015	1.1 - 2.1 ft	N			X
F6	F6_S2_2.1-4.1	11/30/2015	2.1 - 4.1 ft	N			
F6	F6_S3_4.1-6.1	11/30/2015	4.1 - 6.1 ft	N			
F6	F6_S4_6.1-8.1	11/30/2015	6.1 - 8.1 ft	N			
F7	F7_S1_0-4.4	06/07/2010	0 - 4.4 ft	N			
F7	F7_S10_18.4-20.4	06/07/2010	18.4 - 20.4 ft	N			
F7	F7_S11_20.4-22.4	06/07/2010	20.4 - 22.4 ft	N			
F7	F7_S12_22.4-24.4	06/07/2010	22.4 - 24.4 ft	N			
F7	F7_S2_4.4-6.4	06/07/2010	4.4 - 6.4 ft	N			
F7	F7_S3_6.4-8.4	06/07/2010	6.4 - 8.4 ft	N			
F7	F7_S4_8.4-10.4	06/07/2010	8.4 - 10.4 ft	N			
F7	F7_S5_10.4-12.4	06/07/2010	10.4 - 12.4 ft	N			
F7	F7_S6_4.4-14.4	06/07/2010	4.4 - 14.4 ft	N			
F7	F7_S7_12.4-14.4	06/07/2010	12.4 - 14.4 ft	N			
F7	F7_S8_14.4-16.4	06/07/2010	14.4 - 16.4 ft	N			
F7	F7_S9_16.4-18.4	06/07/2010	16.4 - 18.4 ft	N			
F8	F8_S1_0.5-2.0	06/28/2010	0.5 - 2 ft	N	X		X
F8	F8_S10_18.0-20.0	06/28/2010	18 - 20 ft	N			
F8	F8_S11_20.0-22.0	06/28/2010	20 - 22 ft	N			
F8	F8_S12_22.0-24.0	06/28/2010	22 - 24 ft	N			
F8	F8_S2_4.0-6.0	06/28/2010	4 - 6 ft	N			
F8	F8_S3_6.0-8.0	06/28/2010	6 - 8 ft	N			
F8	F8_S4_8.0-10.0	06/28/2010	8 - 10 ft	N			
F8	F8_S5_4.0-10.0	06/28/2010	4 - 10 ft	N			
F8	F8_S6_10.0-12.0	06/28/2010	10 - 12 ft	N			
F8	F8_S7_12.0-14.0	06/28/2010	12 - 14 ft	N			
F8	F8_S8_14.0-16.0	06/28/2010	14 - 16 ft	N			
F8	F8_S9_16.0-18.0	06/28/2010	16 - 18 ft	N			
F9	F9_S1_4.3-5.3	12/15/2010	4.3 - 5.3 ft	N			
F9	F9_S2_6.3-7.3	12/15/2010	6.3 - 7.3 ft	N			
F9	F9_S3_7.3-7.9	12/15/2010	7.3 - 7.9 ft	N			
F9	F9_S4_9.3-11.3	12/15/2010	9.3 - 11.3 ft	N			
F9	F9_S5_11.3-13.3	12/15/2010	11.3 - 13.3 ft	N			
G10	G10_S1_0.3-4.0	06/10/2010	0.3 - 4 ft	N	X		X
G10	G10_S10_21.3-23.3	06/11/2010	21.3 - 23.3 ft	N			
G10	G10_S11_23.3-25.3	06/11/2010	23.3 - 25.3 ft	N			
G10	G10_S2_7.3-9.3	06/11/2010	7.3 - 9.3 ft	N			
G10	G10_S3_9.3-11.3	06/11/2010	9.3 - 11.3 ft	N			
G10	G10_S4_11.3-13.3	06/11/2010	11.3 - 13.3 ft	N			
G10	G10_S5_13.3-15.3	06/11/2010	13.3 - 15.3 ft	N			
G10	G10_S6_15.3-17.3	06/11/2010	15.3 - 17.3 ft	N			
G10	G10_S7_7.3-17.3	06/11/2010	7.3 - 17.3 ft	N			
G10	G10_S8_17.3-19.3	06/11/2010	17.3 - 19.3 ft	N			
G10	G10_S9_19.3-21.3	06/11/2010	19.3 - 21.3 ft	N			
G11	G11_S1_7.3-9.5	02/11/2015	7.3 - 9.5 ft	N			
G11	G11_S2_7.3-9.5	02/11/2015	7.3 - 9.5 ft	N			
G11	G11_S3_9.5-11.5	02/11/2015	9.5 - 11.5 ft	N			
G12	G12_S1_7.0-9.6	02/23/2015	7 - 9.6 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
G12	G12_S2_7.0-9.6	02/23/2015	7 - 9.6 ft	N			
G12	G12_S3_9.6-11.6	02/23/2015	9.6 - 11.6 ft	N			
G13	G13_S1_8.0-9.6	02/18/2015	8 - 9.6 ft	N			
G13	G13_S2_8.0-9.6	02/18/2015	8 - 9.6 ft	N			
G14	G14_S1_0.5-7	12/22/2010	0.5 - 7 ft	N	X		X
G14	G14_S2_7.5-9.5	12/22/2010	7.5 - 9.5 ft	N			
G14	G14_S3_9.5-11.5	12/22/2010	9.5 - 11.5 ft	N			
G14	G14_S4_11.5-13.5	12/22/2010	11.5 - 13.5 ft	N			
G14	G14_S5_13.5-15.5	12/23/2010	13.5 - 15.5 ft	N			
G14	G14_S6_15.5-17.5	12/23/2010	15.5 - 17.5 ft	N			
G14	G14_S7_13.5-19.5	12/23/2010	13.5 - 19.5 ft	N			
G14	G14_S8_17.5-19.5	12/23/2010	17.5 - 19.5 ft	N			
G15	G15_S1_0.5-1.2	12/23/2010	0.5 - 1.2 ft	N	X		X
G15	G15_S2_1.7-5.5	12/23/2010	1.7 - 5.5 ft	N	X		X
G15	G15_S3_7.2-9.2	12/23/2010	7.2 - 9.2 ft	N			
G15	G15_S4_9.2-11.2	12/23/2010	9.2 - 11.2 ft	N			
G15	G15_S5_11.2-13.2	12/23/2010	11.2 - 13.2 ft	N			
G15	G15_S6_13.2-15.2	12/23/2010	13.2 - 15.2 ft	N			
G15	G15_S7_15.2-17.2	12/23/2010	15.2 - 17.2 ft	N			
G15	G15_S8_17.2-19.2	12/23/2010	17.2 - 19.2 ft	N			
G15A	G15A_S1_5.9-7.3	02/12/2015	5.9 - 7.3 ft	N			
G15A	G15A_S2_5.9-7.3	02/12/2015	5.9 - 7.3 ft	N			
G15A	G15A_S3_7.3-9.3	02/12/2015	7.3 - 9.3 ft	N			
G16	G16_S1_4.1-5.1	11/20/2015	4.1 - 5.1 ft	N			
G16	G16_S2_5.1-7.1	11/20/2015	5.1 - 7.1 ft	N			
G16	G16_S3_7.1-9.1	11/20/2015	7.1 - 9.1 ft	N			
G16	G16_S4_9.1-11.1	11/20/2015	9.1 - 11.1 ft	N			
G17	G17_S1_4.0-5.0	11/20/2015	4 - 5 ft	N			
G17	G17_S2_5.0-7.0	11/20/2015	5 - 7 ft	N			
G17	G17_S3_7.0-9.0	11/20/2015	7 - 9 ft	N			
G17	G17_S4_9.0-11.0	11/20/2015	9 - 11 ft	N			
G18	G18_S1_0.3-9.0	02/12/2015	0.3 - 9 ft	N	X		
G18	G18_S2_0.3-5.0	02/12/2015	0.3 - 5 ft	N	X		
G18	G18_S3_5.0-7.0	02/12/2015	5 - 7 ft	N			
G3	G3_S1_0.6-1.6	11/19/2015	0.6 - 1.6 ft	N			X
G3	G3_S2_1.6-3.6	11/19/2015	1.6 - 3.6 ft	N			X
G3	G3_S3_3.6-5.6	11/19/2015	3.6 - 5.6 ft	N			
G3	G3_S4_5.6-7.6	11/19/2015	5.6 - 7.6 ft	N			
G4	G4_S1_0.7-1.7	11/19/2015	0.7 - 1.7 ft	N			X
G4	G4_S2_1.7-3.7	11/19/2015	1.7 - 3.7 ft	N			X
G4	G4_S3_3.7-5.7	11/19/2015	3.7 - 5.7 ft	N			
G4	G4_S4_5.7-7.7	11/19/2015	5.7 - 7.7 ft	N			
G5	G5_S1_0.7-1.7	12/01/2015	0.7 - 1.7 ft	N			X
G5	G5_S2_1.7-3.7	12/01/2015	1.7 - 3.7 ft	N			X
G5	G5_S3_3.7-5.7	12/01/2015	3.7 - 5.7 ft	N			
G5	G5_S4_5.7-7.7	12/01/2015	5.7 - 7.7 ft	N			
G6	G6_S1_1.2-2.2	11/30/2015	1.2 - 2.2 ft	N			X
G6	G6_S2_2.2-4.2	11/30/2015	2.2 - 4.2 ft	N			
G6	G6_S3_4.2-6.2	11/30/2015	4.2 - 6.2 ft	N			
G6	G6_S4_6.2-8.2	11/30/2015	6.2 - 8.2 ft	N			
G7	G7_S1_0-3.4	06/08/2010	0 - 3.4 ft	N	X		X
G7	G7_S10_22-24	06/08/2010	22 - 24 ft	N			
G7	G7_S2_6-8	06/08/2010	6 - 8 ft	N			
G7	G7_S3_8-9.7	06/08/2010	8 - 9.7 ft	N			
G7	G7_S4_11-14	06/08/2010	11 - 14 ft	N			
G7	G7_S5_4-14	06/08/2010	4 - 14 ft	N			
G7	G7_S6_14-16	06/08/2010	14 - 16 ft	N			
G7	G7_S7_16-18	06/08/2010	16 - 18 ft	N			
G7	G7_S8_18-20	06/08/2010	18 - 20 ft	N			
G7	G7_S9_20-22	06/08/2010	20 - 22 ft	N			
G8	G8_S1_0-2.4	06/08/2010	0 - 2.4 ft	N	X		X
G8	G8_S10_21-23	06/09/2010	21 - 23 ft	N			
G8	G8_S11_23-25	06/09/2010	23 - 25 ft	N			
G8	G8_S2_4-5	06/08/2010	4 - 5 ft	N			
G8	G8_S3_5-7	06/08/2010	5 - 7 ft	N			
G8	G8_S4_7-9	06/08/2010	7 - 9 ft	N			
G8	G8_S5_9-10.6	06/08/2010	9 - 10.6 ft	N			
G8	G8_S6_4-10.6	06/08/2010	4 - 10.6 ft	N			
G8	G8_S7_15-17	06/09/2010	15 - 17 ft	N			
G8	G8_S8_17-19	06/09/2010	17 - 19 ft	N			
G8	G8_S9_19-21	06/09/2010	19 - 21 ft	N			
G9	G9_S1_0-5.4	06/11/2010	0 - 5.4 ft	N	X		X
G9	G9_S10_21.2-23.2	06/11/2010	21.2 - 23.2 ft	N			
G9	G9_S11_23.2-25.2	06/11/2010	23.2 - 25.2 ft	N			
G9	G9_S12_25.2-27.2	06/11/2010	25.2 - 27.2 ft	N			
G9	G9_S2_7.2-8.1	06/11/2010	7.2 - 8.1 ft	N			
G9	G9_S3_9.2-11.2	06/11/2010	9.2 - 11.2 ft	N			
G9	G9_S4_11.2-13.2	06/11/2010	11.2 - 13.2 ft	N			
G9	G9_S5_13.2-15.2	06/11/2010	13.2 - 15.2 ft	N			
G9	G9_S6_5.4-15.2	06/11/2010	5.4 - 15.2 ft	N			
G9	G9_S7_15.2-17.2	06/11/2010	15.2 - 17.2 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
G9	G9_S8_17.2-19.2	06/11/2010	17.2 - 19.2 ft	N			
G9	G9_S9_19.2-21.2	06/11/2010	19.2 - 21.2 ft	N			
H10	H10_S1_1-5	06/10/2010	1 - 5 ft	N	X		X
H10	H10_S10_23-25	06/11/2010	23 - 25 ft	N			
H10	H10_S11_25-26.3	06/11/2010	25 - 26.3 ft	N			
H10	H10_S12_26.3-27	06/11/2010	26.3 - 27 ft	N			
H10	H10_S2_9-11	06/11/2010	9 - 11 ft	N			
H10	H10_S3_11-13	06/11/2010	11 - 13 ft	N			
H10	H10_S4_13-15	06/11/2010	13 - 15 ft	N			
H10	H10_S5_15-17	06/11/2010	15 - 17 ft	N			
H10	H10_S6_17-19	06/11/2010	17 - 19 ft	N			
H10	H10_S7_7-17	06/11/2010	7 - 17 ft	N			
H10	H10_S8_19-21	06/11/2010	19 - 21 ft	N			
H10	H10_S9_21-23	06/11/2010	21 - 23 ft	N			
H11	H11_S1_8.0-9.0	02/18/2015	8 - 9 ft	N			
H11	H11_S2_8-9	02/18/2015	8 - 9 ft	N			
H11	H11_S3_9-11	02/18/2015	9 - 11 ft	N			
H12	H12_S1_0.5-3.5	01/06/2011	0.5 - 3.5 ft	N	X		X
H12	H12_S10_17.3-19.3	01/07/2011	17.3 - 19.3 ft	N			
H12	H12_S11_19.3-21.3	01/07/2011	19.3 - 21.3 ft	N			
H12	H12_S12_21.3-23.3	01/07/2011	21.3 - 23.3 ft	N			
H12	H12_S13_23.3-25.3	01/07/2011	23.3 - 25.3 ft	N			
H12	H12_S2_4.3-5.3	01/06/2011	4.3 - 5.3 ft	N			
H12	H12_S3_4.3-14.3	01/06/2011	4.3 - 14.3 ft	N			
H12	H12_S4_5.3-5.6	01/06/2011	5.3 - 5.6 ft	N			
H12	H12_S5_7.3-8.8	01/06/2011	7.3 - 8.8 ft	N			
H12	H12_S6_9.3-11.3	01/06/2011	9.3 - 11.3 ft	N			
H12	H12_S7_11.3-13.3	01/06/2011	11.3 - 13.3 ft	N			
H12	H12_S8_13.3-15.3	01/07/2011	13.3 - 15.3 ft	N			
H12	H12_S9_15.3-17.3	01/07/2011	15.3 - 17.3 ft	N			
H12	Y26_S1_2-4	01/07/2011	13.3 - 15.3 ft	FD			
H13	H13_S1_8.0-9.1	02/20/2015	8 - 9.1 ft	N			
H13	H13_S2_8.0-9.1	02/20/2015	8 - 9.1 ft	N			
H13	H13_S3_9.1-11.1	02/20/2015	9.1 - 11.1 ft	N			
H14	H14_S1_8.0-9.1	02/19/2015	8 - 9.1 ft	N			
H14	H14_S2_8.0-9.1	02/19/2015	8 - 9.1 ft	N			
H14	H14_S3_9.1-11.1	02/19/2015	9.1 - 11.1 ft	N			
H15	H15_S1_8-9	02/19/2015	8 - 9 ft	N			
H15	H15_S2_8-9	02/19/2015	8 - 9 ft	N			
H15	H15_S3_9-11	02/19/2015	9 - 11 ft	N			
H16	H16_S1_1-4	01/05/2011	1 - 4 ft	N	X		X
H16	H16_S2_9-11	01/06/2011	9 - 11 ft	N			
H16	H16_S3_11-13	01/06/2011	11 - 13 ft	N			
H17	H17_S1_0.6-4.6	01/06/2011	0.6 - 4.6 ft	N	X		X
H17	H17_S2_7-9	01/06/2011	7 - 9 ft	N			
H17	H17_S3_9-11	01/06/2011	9 - 11 ft	N			
H17	H17_S4_11-13	01/06/2011	11 - 13 ft	N			
H17	Z17_S1_0.6-4.6	01/06/2011	0.6 - 4.6 ft	FD	X		X
H18	H18_S1_3.1-4.1	11/20/2015	3.1 - 4.1 ft	N			
H18	H18_S2_4.1-6.1	11/20/2015	4.1 - 6.1 ft	N			
H18	H18_S3_6.1-8.1	11/20/2015	6.1 - 8.1 ft	N			
H18	H18_S4_8.1-10.1	11/20/2015	8.1 - 10.1 ft	N			
H3	H3_S1_0-1.5	11/19/2015	0.1 - 1.5 ft	N			X
H3	H3_S2_1.5-3.5	11/19/2015	1.5 - 3.5 ft	N			X
H3	H3_S3_3.5-4.0	11/19/2015	3.5 - 4 ft	N			
H3	H3_S4_4.0-5.5	12/01/2015	4 - 5.5 ft	N			
H3	H3_S5_5.5-7.5	12/01/2015	5.5 - 7.5 ft	N			
H4	H4_S1_0.7-1.7	11/19/2015	0.7 - 1.7 ft	N			X
H4	H4_S2_1.7-3.7	11/19/2015	1.7 - 3.7 ft	N			X
H4	H4_S3_3.7-5.7	11/19/2015	3.7 - 5.7 ft	N			
H4	H4_S4_5.7-7.7	11/19/2015	5.7 - 7.7 ft	N			
H5	H5_S1_0.0-1.3	12/01/2015	0 - 1.3 ft	N			X
H5	H5_S2_1.3-3.3	12/01/2015	1.3 - 3.3 ft	N			X
H5	H5_S3_3.3-5.3	12/01/2015	3.3 - 5.3 ft	N			
H5	H5_S4_5.3-7.3	12/01/2015	5.3 - 7.3 ft	N			
H6	H6_S1_0.0-1.2	11/30/2015	0 - 1.2 ft	N			X
H6	H6_S2_1.2-3.2	11/30/2015	1.2 - 3.2 ft	N			X
H6	H6_S3_3.2-5.2	11/30/2015	3.2 - 5.2 ft	N			
H6	H6_S4_5.2-7.2	11/30/2015	5.2 - 7.2 ft	N			
H6	H6_S5_7.2-9.2	11/30/2015	7.2 - 9.2 ft	N			
H6	Z6_S2_1.2-3.2	11/30/2015	1.2 - 3.2 ft	FD			X
H7	H7_S1_0.5-3.5	06/08/2010	0.5 - 3.5 ft	N	X		X
H7	H7_S2_6-8	06/08/2010	6 - 8 ft	N			
H7	H7_S3_8-10	06/08/2010	8 - 10 ft	N			
H7	H7_S4_10-12	06/08/2010	10 - 12 ft	N			
H7	H7_S5_12-14	06/08/2010	12 - 14 ft	N			
H7	H7_S6_4-14	06/08/2010	4 - 14 ft	N			
H7	H7_S7_14-16	06/08/2010	14 - 16 ft	N			
H7	H7_S8_16-18	06/08/2010	16 - 18 ft	N			
H7	H7_S9_18-20	06/08/2010	18 - 20 ft	N			
H8	H8_S1_0.5-3.5	06/07/2010	0.5 - 3.5 ft	N	X		X

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
H8	H8_S10_18-20	06/07/2010	18 - 20 ft	N			
H8	H8_S11_20-22	06/08/2010	20 - 22 ft	N			
H8	H8_S12_22-24	06/08/2010	22 - 24 ft	N			
H8	H8_S2_4-6	06/07/2010	4 - 6 ft	N			
H8	H8_S3_6-8	06/07/2010	6 - 8 ft	N			
H8	H8_S4_8-10	06/07/2010	8 - 10 ft	N			
H8	H8_S5_10-12	06/07/2010	10 - 12 ft	N			
H8	H8_S6_4-14	06/07/2010	4 - 14 ft	N			
H8	H8_S7_12-14	06/07/2010	12 - 14 ft	N			
H8	H8_S8_14-16	06/07/2010	14 - 16 ft	N			
H8	H8_S9_16-18	06/07/2010	16 - 18 ft	N			
H9	H9_S1_0.5-4.5	06/08/2010	0.5 - 4.5 ft	N	X		X
H9	H9_S10_20-22	06/09/2010	20 - 22 ft	N			
H9	H9_S11_22-24	06/09/2010	22 - 24 ft	N			
H9	H9_S12_24-26	06/09/2010	24 - 26 ft	N			
H9	H9_S2_6-8	06/08/2010	6 - 8 ft	N			
H9	H9_S3_8-10	06/08/2010	8 - 10 ft	N			
H9	H9_S4_10-12	06/09/2010	10 - 12 ft	N			
H9	H9_S5_5-14	06/09/2010	5 - 14 ft	N			
H9	H9_S6_12-14	06/09/2010	12 - 14 ft	N			
H9	H9_S7_14-16	06/09/2010	14 - 16 ft	N			
H9	H9_S8_16-18	06/09/2010	16 - 18 ft	N			
H9	H9_S9_18-20	06/09/2010	18 - 20 ft	N			
I10	I10_S1_7.0-8.7	02/27/2015	7 - 8.7 ft	N			
I10	I10_S2_8.7-10.7	02/27/2015	8.7 - 10.7 ft	N			
I11	I11_S2_8.9-10.9	02/27/2015	8.9 - 10.9 ft	N			
I12	I12_S1_0.5-5.5	01/13/2011	0.5 - 5.5 ft	N	X		X
I12	I12_S2_6.5-7.8	01/13/2011	6.5 - 7.8 ft	N			
I12	I12_S3_8.5-10.5	01/13/2011	8.5 - 10.5 ft	N			
I12	I12_S4_10.5-12.5	01/13/2011	10.5 - 12.5 ft	N			
I12	I12_S5_12.5-14.5	01/13/2011	12.5 - 14.5 ft	N			
I12	I12_S6_14.5-16.5	01/13/2011	14.5 - 16.5 ft	N			
I12	X12_S1_0.5-5.5	01/13/2011	0.5 - 5.5 ft	FD	X		X
I12	X12_S3_8.5-10.5	01/13/2011	8.5 - 10.5 ft	FD			
I12A	I12A_S1_6.5-8.9	01/26/2015	6.5 - 8.9 ft	N			
I12A	I12A_S2_6.9-8.9	01/26/2015	6.9 - 8.9 ft	N			
I13	I13_S1_0.9-2.9	01/06/2011	0.9 - 2.9 ft	N	X		X
I13	I13_S2_2.9-4.5	01/06/2011	2.9 - 4.5 ft	N	X		
I13	I13_S3_4.9-6.9	01/06/2011	4.9 - 6.9 ft	N			
I13	I13_S4_6.9-7.9	01/06/2011	6.9 - 7.9 ft	N			
I13	I13_S5_8.9-10.9	01/06/2011	8.9 - 10.9 ft	N			
I13A	I13A_S1_6.5-8.9	01/26/2015	6.5 - 8.9 ft	N			
I13A	I13A_S2_6.9-8.9	01/26/2015	6.9 - 8.9 ft	N			
I14	I14_S1_0.5-4.8	06/23/2010	0.5 - 4.8 ft	N	X		X
I14	I14_S10_19-21	06/23/2010	19 - 21 ft	N			
I14	I14_S11_21-23	06/23/2010	21 - 23 ft	N			
I14	I14_S12_23-25	06/23/2010	23 - 25 ft	N			
I14	I14_S2_6-6.9	06/23/2010	6 - 6.9 ft	N			
I14	I14_S3_9-9.2	06/23/2010	9 - 9.2 ft	N			
I14	I14_S4_9.5-11	06/23/2010	9.5 - 11 ft	N			
I14	I14_S5_11-13	06/23/2010	11 - 13 ft	N			
I14	I14_S6_13-15	06/23/2010	13 - 15 ft	N			
I14	I14_S7_6-16	06/23/2010	6 - 16 ft	N			
I14	I14_S8_15-17	06/23/2010	15 - 17 ft	N			
I14	I14_S9_17-19	06/23/2010	17 - 19 ft	N			
I15	I15_S1_0.6-4.8	06/23/2010	0.6 - 4.8 ft	N	X		X
I15	I15_S10_20.6-22.6	06/23/2010	20.6 - 22.6 ft	N			
I15	I15_S11_22.6-24.6	06/23/2010	22.6 - 24.6 ft	N			
I15	I15_S2_6.6-8.6	06/23/2010	6.6 - 8.6 ft	N			
I15	I15_S3_5.2-10.0	06/23/2010	5.2 - 10 ft	N			
I15	I15_S4_8.6-10.6	06/23/2010	8.6 - 10.6 ft	N			
I15	I15_S5_10.6-12.6	06/23/2010	10.6 - 12.6 ft	N			
I15	I15_S6_12.6-14.6	06/23/2010	12.6 - 14.6 ft	N			
I15	I15_S7_14.6-16.6	06/23/2010	14.6 - 16.6 ft	N			
I15	I15_S8_16.6-18.6	06/23/2010	16.6 - 18.6 ft	N			
I15	I15_S9_18.6-20.6	06/23/2010	18.6 - 20.6 ft	N			
I16	I16_S1_0.9-4.4	06/23/2010	0.9 - 4.4 ft	N	X		X
I16	I16_S10_22.4-24.0	06/23/2010	22.4 - 24 ft	N			
I16	I16_S11_24-24.4	06/23/2010	24 - 24.4 ft	N			
I16	I16_S2_4.8-6.4	06/23/2010	4.8 - 6.4 ft	N			
I16	I16_S3_6.4-8.4	06/23/2010	6.4 - 8.4 ft	N			
I16	I16_S4_4.8-12.4	06/23/2010	4.8 - 12.4 ft	N			
I16	I16_S5_8.4-10.4	06/23/2010	8.4 - 10.4 ft	N			
I16	I16_S6_12.4-14.4	06/23/2010	12.4 - 14.4 ft	N			
I16	I16_S7_14.4-16.4	06/23/2010	14.4 - 16.4 ft	N			
I16	I16_S8_16.4-18.4	06/23/2010	16.4 - 18.4 ft	N			
I16	I16_S9_20.4-22.4	06/23/2010	20.4 - 22.4 ft	N			
I17	I17_S1_0.3-4.3	07/21/2010	0.3 - 4.3 ft	N	X		X
I17	I17_S10_18.3-20.3	07/22/2010	18.3 - 20.3 ft	N			
I17	I17_S11_20.3-22.3	07/22/2010	20.3 - 22.3 ft	N			
I17	I17_S12_22.3-24.3	07/22/2010	22.3 - 24.3 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
I17	I17_S2_4.6-6.3	07/21/2010	4.6 - 6.3 ft	N			
I17	I17_S3_6.3-8.3	07/21/2010	6.3 - 8.3 ft	N			
I17	I17_S4_8.3-10.3	07/22/2010	8.3 - 10.3 ft	N			
I17	I17_S5_10.3-12.3	07/22/2010	10.3 - 12.3 ft	N			
I17	I17_S6_12.3-14.3	07/22/2010	12.3 - 14.3 ft	N			
I17	I17_S7_4.6-14.3	07/22/2010	4.6 - 14.3 ft	N			
I17	I17_S8_14.3-16.3	07/22/2010	14.3 - 16.3 ft	N			
I17	I17_S9_16.3-18.3	07/22/2010	16.3 - 18.3 ft	N			
I18	I18_S1_0.5-5	12/17/2010	0.5 - 5 ft	N	X		X
I18	I18_S10_20-22	12/17/2010	20 - 22 ft	N			
I18	I18_S11_22-24	12/17/2010	22 - 24 ft	N			
I18	I18_S2_6-8	12/17/2010	6 - 8 ft	N			
I18	I18_S3_8-10	12/17/2010	8 - 10 ft	N			
I18	I18_S4_10-12	12/17/2010	10 - 12 ft	N			
I18	I18_S5_12-14	12/17/2010	12 - 14 ft	N			
I18	I18_S6_14-16	12/17/2010	14 - 16 ft	N			
I18	I18_S7_6-16	12/17/2010	6 - 16 ft	N			
I18	I18_S8_16-18	12/17/2010	16 - 18 ft	N			
I18	I18_S9_18-20	12/17/2010	18 - 20 ft	N			
I18	X18_S5_12-14	12/17/2010	12 - 14 ft	FD			
I19	I19_S1_2.8-3.8	11/20/2015	2.8 - 3.8 ft	N			
I19	I19_S2_3.8-5.8	11/20/2015	3.8 - 5.8 ft	N			
I19	I19_S3_5.8-7.8	11/20/2015	5.8 - 7.8 ft	N			
I19	I19_S4_7.8-9.8	11/20/2015	7.8 - 9.8 ft	N			
I3	I3_S1_0.7-1.7	11/19/2015	0.7 - 1.7 ft	N			X
I3	I3_S2_1.7-3.7	11/19/2015	1.7 - 3.7 ft	N			X
I3	I3_S3_3.7-5.7	11/19/2015	3.7 - 5.7 ft	N			
I3	I3_S4_5.7-7.7	11/19/2015	5.7 - 7.7 ft	N			
I4	I4_S1_1.1-2.1'	11/18/2015	1.1 - 2.1 ft	N			X
I4	I4_S2_2.1-4.1'	11/18/2015	2.1 - 4.1 ft	N			
I4	I4_S3_4.1-6.1'	11/18/2015	4.1 - 6.1 ft	N			
I4	I4_S4_6.1-8.1'	11/18/2015	6.1 - 8.1 ft	N			
I5	I5_S1_0.9-1.9	12/01/2015	0.9 - 1.9 ft	N			X
I5	I5_S2_1.9-3.9	12/01/2015	1.9 - 3.9 ft	N			X
I5	I5_S3_3.9-5.9	12/01/2015	3.9 - 5.9 ft	N			
I5	I5_S4_5.9-7.9	12/01/2015	5.9 - 7.9 ft	N			
I6	I6_S1_0.9-1.9	12/01/2015	0.9 - 1.9 ft	N			X
I6	I6_S2_1.9-3.9	12/01/2015	1.9 - 3.9 ft	N			X
I6	I6_S3_3.9-5.9	12/01/2015	3.9 - 5.9 ft	N			
I6	I6_S4_5.9-7.9	12/01/2015	5.9 - 7.9 ft	N			
I7	I7_S1_0-6	01/26/2015	0 - 6 ft	N	X		X
I7	I7_S2_6-8	01/26/2015	6 - 8 ft	N			
I7	I7_S3_0-2	01/26/2015	0 - 2 ft	N	X		X
I7	I7_S4_2-4	01/26/2015	2 - 4 ft	N			
I7	I7_S5_4-6	01/26/2015	4 - 6 ft	N			
I7	I7_S6_6-8	01/26/2015	6 - 8 ft	N			
I8	I8_S1_0.5-6.0	12/20/2010	0.5 - 6 ft	N	X		X
I8	I8_S2_6.5-8.5	12/21/2010	6.5 - 8.5 ft	N			
I8	I8_S3_8.5-10.5	12/21/2010	8.5 - 10.5 ft	N			
I8	I8_S4_10.5-12.5	12/21/2010	10.5 - 12.5 ft	N			
I8	I8_S5_12.5-14.5	12/21/2010	12.5 - 14.5 ft	N			
I8	Y23_S1_4-6	12/21/2010	10.5 - 12.5 ft	FD			
I9	I9_S1_8.5-10.5	12/16/2010	8.5 - 10.5 ft	N			
I9	I9_S2_10.5-12.5	12/16/2010	10.5 - 12.5 ft	N			
I9	I9_S3_12.5-14.5	12/16/2010	12.5 - 14.5 ft	N			
I9A	I9A_S1_7.0-8.7	02/26/2015	7 - 8.7 ft	N			
I9A	I9A_S2_8.7-10.7	02/26/2015	8.7 - 10.7 ft	N			
I9A	I9A_S3_7.0-8.7	02/26/2015	7 - 8.7 ft	N			
J10	J10_S2_8-10	01/26/2015	8 - 10 ft	N			
J11	J11_S1_0.5-4.0	01/13/2011	0.5 - 4 ft	N	X		X
J11	J11_S4_8.5-10.5	01/13/2011	8.5 - 10.5 ft	N			
J11	J11_S5_10.5-12.5	01/13/2011	10.5 - 12.5 ft	N			
J11	J11_S6_12.5-14.5	01/13/2011	12.5 - 14.5 ft	N			
J11	J11_S7_14.5-16.5	01/13/2011	14.5 - 16.5 ft	N			
J11	Z11_S1_0.5-4.0	01/13/2011	0.5 - 4 ft	FD	X		X
J12	J12_S1_0.5-4.2	12/22/2010	0.5 - 4.2 ft	N	X		X
J12	J12_S5_10.5-12.5	12/22/2010	10.5 - 12.5 ft	N			
J12	J12_S6_12.5-14.5	12/22/2010	12.5 - 14.5 ft	N			
J13	J13_S1_4.5-5.5	01/05/2011	4.5 - 5.5 ft	N			
J13	J13_S2_6.5-8.5	01/05/2011	6.5 - 8.5 ft	N			
J13	J13_S3_8.5-10.5	01/05/2011	8.5 - 10.5 ft	N			
J13	J13_S4_10.5-12.5	01/05/2011	10.5 - 12.5 ft	N			
J13	J13_S5_12.5-14.5	01/05/2011	12.5 - 14.5 ft	N			
J13	Y25_S1_4-6	01/05/2011	6.5 - 8.5 ft	FD			
J13A	J13A_S1_5-8.5	01/26/2015	5 - 8.5 ft	N			
J14	J14_S1_0.4-4.6	06/24/2010	0.4 - 4.6 ft	N	X		X
J14	J14_S10_20.6-22.6	06/24/2010	20.6 - 22.6 ft	N			
J14	J14_S11_22.6-24.6	06/24/2010	22.6 - 24.6 ft	N			
J14	J14_S3_7-8.6	06/24/2010	7 - 8.6 ft	N			
J14	J14_S4_8.6-10.6	06/24/2010	8.6 - 10.6 ft	N			
J14	J14_S5_5-10.6	06/24/2010	5 - 10.6 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
J14	J14_S6_12.6-14.6	06/24/2010	12.6 - 14.6 ft	N			
J14	J14_S7_14.6-16.6	06/24/2010	14.6 - 16.6 ft	N			
J14	J14_S8_16.6-18.6	06/24/2010	16.6 - 18.6 ft	N			
J14	J14_S9_18.6-20.6	06/24/2010	18.6 - 20.6 ft	N			
J15	J15_S1_0.5-4.5	06/23/2010	0.5 - 4.5 ft	N	X		X
J15	J15_S10_18.5-20.5	06/24/2010	18.5 - 20.5 ft	N			
J15	J15_S11_20.5-22.5	06/24/2010	20.5 - 22.5 ft	N			
J15	J15_S12_22.5-24.5	06/24/2010	22.5 - 24.5 ft	N			
J15	J15_S2_4.5-6.5	06/23/2010	4.5 - 6.5 ft	N			
J15	J15_S3_6.5-8.5	06/23/2010	6.5 - 8.5 ft	N			
J15	J15_S4_4.5-10.5	06/24/2010	4.5 - 10.5 ft	N			
J15	J15_S5_8.5-10.5	06/24/2010	8.5 - 10.5 ft	N			
J15	J15_S6_10.5-12.5	06/24/2010	10.5 - 12.5 ft	N			
J15	J15_S7_12.5-14.5	06/24/2010	12.5 - 14.5 ft	N			
J15	J15_S8_14.5-16.5	06/24/2010	14.5 - 16.5 ft	N			
J15	J15_S9_16.5-18.5	06/24/2010	16.5 - 18.5 ft	N			
J16	J16_S1_0.6-3.0	06/24/2010	0.6 - 3 ft	N	X		X
J16	J16_S10_18.2-20.2	06/24/2010	18.2 - 20.2 ft	N			
J16	J16_S11_20.2-22.2	06/24/2010	20.2 - 22.2 ft	N			
J16	J16_S12_22.2-24.2	06/24/2010	22.2 - 24.2 ft	N			
J16	J16_S4_8.2-10.0	06/24/2010	8.2 - 10 ft	N			
J16	J16_S5_10.2-12.2	06/24/2010	10.2 - 12.2 ft	N			
J16	J16_S6_3.4-10.0	06/24/2010	3.4 - 10 ft	N			
J16	J16_S7_12.2-14.2	06/24/2010	12.2 - 14.2 ft	N			
J16	J16_S8_14.2-16.2	06/24/2010	14.2 - 16.2 ft	N			
J16	J16_S9_16.2-18.2	06/24/2010	16.2 - 18.2 ft	N			
J16A	J16A_S1_3.4-10	02/03/2015	3.4 - 10 ft	N			
J17	J17_S1_0.9-3.8	07/21/2010	0.9 - 3.8 ft	N	X		X
J17	J17_S10_18-20	07/21/2010	18 - 20 ft	N			
J17	J17_S11_20-22	07/21/2010	20 - 22 ft	N			
J17	J17_S12_22-23.5	07/21/2010	22 - 23.5 ft	N			
J17	J17_S13_23.5-24	07/21/2010	23.5 - 24 ft	N			
J17	J17_S2_4.1-6	07/21/2010	4.1 - 6 ft	N			
J17	J17_S3_6-8	07/21/2010	6 - 8 ft	N			
J17	J17_S4_8-10	07/21/2010	8 - 10 ft	N			
J17	J17_S5_10-12	07/21/2010	10 - 12 ft	N			
J17	J17_S6_12-14	07/21/2010	12 - 14 ft	N			
J17	J17_S7_4.1-11.4	07/21/2010	4.1 - 11.4 ft	N			
J17	J17_S8_14-16	07/21/2010	14 - 16 ft	N			
J17	J17_S9_16-18	07/21/2010	16 - 18 ft	N			
J17A	J17A_S1_4.1-11.4	01/22/2015	4.1 - 11.4 ft	N			
J18	J18_S1_1-4	07/09/2010	1 - 4 ft	N	X		X
J18	J18_S2_8-8.9	07/09/2010	8 - 8.9 ft	N			
J18	J18_S3_10-12	07/09/2010	10 - 12 ft	N			
J18	J18_S4_12-14	07/09/2010	12 - 14 ft	N			
J18	J18_S5_16-18	07/09/2010	16 - 18 ft	N			
J18	J18_S6_18-20	07/09/2010	18 - 20 ft	N			
J18	J18_S7_20-22	07/09/2010	20 - 22 ft	N			
J18	J18_S8_22-24	07/09/2010	22 - 24 ft	N			
J18	J18_S9_24-26	07/09/2010	24 - 26 ft	N			
J18A	J18A_S1_3.8-7.8	02/03/2015	3.8 - 7.8 ft	N			
J18A	J18A_S2_3.8-5.8	02/03/2015	3.8 - 5.8 ft	N			
J18A	J18A_S3_5.8-7.8	02/03/2015	5.8 - 7.8 ft	N			
J19	J19_S1_0.7-4.5	01/05/2011	0.7 - 4.5 ft	N			X
J19	J19_S2_12.7-14.7	01/05/2011	12.7 - 14.7 ft	N			
J19	J19_S3_21.7-23.7	01/05/2011	21.7 - 23.7 ft	N			
J19	J19_S4_23.7-25.7	01/05/2011	23.7 - 25.7 ft	N			
J19	J19_S5_25.7-27.7	01/05/2011	25.7 - 27.7 ft	N			
J20	J20_S1_2.6-3.6	11/20/2015	2.6 - 3.6 ft	N			
J20	J20_S2_3.6-5.6	11/20/2015	3.6 - 5.6 ft	N			
J20	J20_S3_5.6-7.6	11/20/2015	5.6 - 7.6 ft	N			
J20	J20_S4_7.6-9.6	11/20/2015	7.6 - 9.6 ft	N			
J20	Z20_S1_2.6-3.6	11/20/2015	2.6 - 3.6 ft	FD			
J3	J3_S1_0.9-1.9	11/19/2015	0.9 - 1.9 ft	N			X
J3	J3_S2_1.9-3.9	11/19/2015	1.9 - 3.9 ft	N			X
J3	J3_S3_3.9-5.9	11/19/2015	3.9 - 5.9 ft	N			
J3	J3_S4_5.9-7.9	11/19/2015	5.9 - 7.9 ft	N			
J4	J4_S1_1.3-2.3'	11/18/2015	1.3 - 2.3 ft	N			X
J4	J4_S2_2.3-4.3'	11/18/2015	2.3 - 4.3 ft	N			
J4	J4_S3_4.3-6.3'	11/18/2015	4.3 - 6.3 ft	N			
J4	J4_S4_6.3-8.3'	11/18/2015	6.3 - 8.3 ft	N			
J5	J5_S1_1.7-2.7'	11/18/2015	1.7 - 2.7 ft	N			X
J5	J5_S2_2.7-4.7'	11/18/2015	2.7 - 4.7 ft	N			
J5	J5_S3_4.7-6.7'	11/18/2015	4.7 - 6.7 ft	N			
J5	J5_S4_6.7-8.7'	11/18/2015	6.7 - 8.7 ft	N			
J6	J6_S1_2.0-3.0	11/19/2015	2 - 3 ft	N			
J6	J6_S2_3-5.0	11/19/2015	3 - 5 ft	N			
J6	J6_S3_5-7.0	11/19/2015	5 - 7 ft	N			
J6	J6_S4_7-9.0	11/19/2015	7 - 9 ft	N			
J7	J7_S1_7.0-8.0	03/04/2015	7 - 8 ft	N			
J7	J7_S2_8-10	03/04/2015	8 - 10 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
J7	J7_S3_7-8	03/04/2015	7 - 8 ft	N			
J7	J7_S4_8-10	03/04/2015	8 - 10 ft	N			
J7	J7_S5_10-12	03/04/2015	10 - 12 ft	N			
J8	J8_S1_0-8	01/26/2015	0 - 8 ft	N	X		X
J8A	J8A_S1_9.8-11.8	11/23/2015	9.8 - 11.8 ft	N			
J9	J9_S1_6-8	01/26/2015	6 - 8 ft	N			
J9	J9_S2_8-10	01/26/2015	8 - 10 ft	N			
J9	J9_S3_6-8	01/26/2015	6 - 8 ft	N			
J9	J9_S4_8-10	01/26/2015	8 - 10 ft	N			
K10	K10_S1_4-4.3	01/11/2011	4 - 4.3 ft	N			
K10	K10_S2_6-8	01/11/2011	6 - 8 ft	N			
K10	K10_S3_8-10	01/11/2011	8 - 10 ft	N			
K10	K10_S4_10-12	01/11/2011	10 - 12 ft	N			
K10	X10_S2_6-8	01/11/2011	6 - 8 ft	FD			
K11	K11_S1_0.5-3.4	12/21/2010	0.5 - 3.4 ft	N	X		X
K11	K11_S2_4-6	12/21/2010	4 - 6 ft	N			
K11	K11_S3_5-10	12/21/2010	5 - 10 ft	N			
K11	K11_S4_6-8	12/21/2010	6 - 8 ft	N			
K11	K11_S5_8-10	12/21/2010	8 - 10 ft	N			
K11	K11_S6_10-12	12/21/2010	10 - 12 ft	N			
K11	K11_S7_10-15	12/21/2010	10 - 15 ft	N			
K11	K11_S8_12-14	12/21/2010	12 - 14 ft	N			
K11	K11_S9_16-18	12/21/2010	16 - 18 ft	N			
K12	K12_S1_0.5-4	01/04/2011	0.5 - 4 ft	N	X		X
K12	K12_S2_4-6	01/05/2011	4 - 6 ft	N			
K12	K12_S3_5-10	01/05/2011	5 - 10 ft	N			
K12	K12_S4_6-8	01/05/2011	6 - 8 ft	N			
K12	K12_S5_10-12	01/05/2011	10 - 12 ft	N			
K12	K12_S6_12-14	01/05/2011	12 - 14 ft	N			
K13	K13_S1_4-6	01/04/2011	4 - 6 ft	N			
K13	K13_S2_5-10	01/04/2011	5 - 10 ft	N			
K13	K13_S3_6-8	01/04/2011	6 - 8 ft	N			
K13	K13_S4_8-10	01/04/2011	8 - 10 ft	N			
K13	K13_S5_10-12	01/04/2011	10 - 12 ft	N			
K13	K13_S6_10-15	01/04/2011	10 - 15 ft	N			
K13	K13_S7_12-14	01/04/2011	12 - 14 ft	N			
K13	K13_S8_14-16	01/04/2011	14 - 16 ft	N			
K14	K14_S1_2-3	06/24/2010	2 - 3 ft	N	X		
K14	K14_S10_18.2-20.2	06/25/2010	18.2 - 20.2 ft	N			
K14	K14_S11_20.2-22.2	06/25/2010	20.2 - 22.2 ft	N			
K14	K14_S12_22.2-24.2	06/25/2010	22.2 - 24.2 ft	N			
K14	K14_S2_4.2-5.2	06/24/2010	4.2 - 5.2 ft	N			
K14	K14_S3_7.2-9.2	06/24/2010	7.2 - 9.2 ft	N			
K14	K14_S4_9.2-10.2	06/24/2010	9.2 - 10.2 ft	N			
K14	K14_S5_4.2-10.2	06/24/2010	4.2 - 10.2 ft	N			
K14	K14_S6_10.2-12.2	06/24/2010	10.2 - 12.2 ft	N			
K14	K14_S7_12.2-14.2	06/24/2010	12.2 - 14.2 ft	N			
K14	K14_S8_14.2-16.2	06/25/2010	14.2 - 16.2 ft	N			
K14	K14_S9_16.2-18.2	06/25/2010	16.2 - 18.2 ft	N			
K15	K15_S1_0.5-3.0	06/24/2010	0.5 - 3 ft	N	X		X
K15	K15_S10_20-22	06/24/2010	20 - 22 ft	N			
K15	K15_S3_6-9	06/24/2010	6 - 9 ft	N			
K15	K15_S4_9-10	06/24/2010	9 - 10 ft	N			
K15	K15_S5_10-12	06/24/2010	10 - 12 ft	N			
K15	K15_S6_12-14	06/24/2010	12 - 14 ft	N			
K15	K15_S7_14-16	06/24/2010	14 - 16 ft	N			
K15	K15_S8_16-18	06/24/2010	16 - 18 ft	N			
K15	K15_S9_18-20	06/24/2010	18 - 20 ft	N			
K15A	K15A_S1_2.2-8.2	01/23/2015	2.2 - 8.2 ft	N			
K16	K16_S1_0.5-2.8	06/24/2010	0.5 - 2.8 ft	N	X		X
K16	K16_S10_16-18	06/24/2010	16 - 18 ft	N			
K16	K16_S11_18-20	06/24/2010	18 - 20 ft	N			
K16	K16_S12_20-22	06/24/2010	20 - 22 ft	N			
K16	K16_S13_22-23.3	06/24/2010	22 - 23.3 ft	N			
K16	K16_S14_23.3-24	06/24/2010	23.3 - 24 ft	N			
K16	K16_S4_6-8	06/24/2010	6 - 8 ft	N			
K16	K16_S5_8-10	06/24/2010	8 - 10 ft	N			
K16	K16_S6_3.2-9.8	06/24/2010	3.2 - 9.8 ft	N			
K16	K16_S7_10-12	06/24/2010	10 - 12 ft	N			
K16	K16_S8_12-14	06/24/2010	12 - 14 ft	N			
K16	K16_S9_14-16	06/24/2010	14 - 16 ft	N			
K16A	K16A_S1_3.5-9.8	02/03/2015	3.5 - 9.8 ft	N			
K17	K17_S1_0.9-3.7	07/09/2010	0.9 - 3.7 ft	N	X		X
K17	K17_S10_18-20	07/09/2010	18 - 20 ft	N			
K17	K17_S11_20-22	07/09/2010	20 - 22 ft	N			
K17	K17_S12_22-23	07/09/2010	22 - 23 ft	N			
K17	K17_S13_23-24	07/09/2010	23 - 24 ft	N			
K17	K17_S3_6-8	07/09/2010	6 - 8 ft	N			
K17	K17_S4_8-10	07/09/2010	8 - 10 ft	N			
K17	K17_S5_10-12	07/09/2010	10 - 12 ft	N			
K17	K17_S6_4-7.4	07/09/2010	4 - 7.4 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
K17	K17_S7_12-14	07/09/2010	12 - 14 ft	N			
K17	K17_S8_14-16	07/09/2010	14 - 16 ft	N			
K17	K17_S9_16-18	07/09/2010	16 - 18 ft	N			
K17A	K17a_S1_1-2.8	12/30/2010	1 - 2.8 ft	N	X		X
K17A	K17a_S2_4-8	01/03/2011	4 - 8 ft	N			
K17A	K17a_S3_8-13	01/03/2011	8 - 13 ft	N			
K18	K18_S1_1-4.3	06/18/2010	1 - 4.3 ft	N	X		X
K18	K18_S10_19.6-21.6	06/18/2010	19.6 - 21.6 ft	N			
K18	K18_S11_21.6-23.6	06/18/2010	21.6 - 23.6 ft	N			
K18	K18_S2_5.6-7.6	06/18/2010	5.6 - 7.6 ft	N			
K18	K18_S3_7.6-9.6	06/18/2010	7.6 - 9.6 ft	N			
K18	K18_S4_9.6-11.6	06/18/2010	9.6 - 11.6 ft	N			
K18	K18_S5_11.6-13.6	06/18/2010	11.6 - 13.6 ft	N			
K18	K18_S6_13.6-15.6	06/18/2010	13.6 - 15.6 ft	N			
K18	K18_S7_5.6-15.6	06/18/2010	5.6 - 15.6 ft	N			
K18	K18_S8_15.6-17.6	06/18/2010	15.6 - 17.6 ft	N			
K18	K18_S9_17.6-19.6	06/18/2010	17.6 - 19.6 ft	N			
K19	K19_S1_2.5-3.5	11/20/2015	2.5 - 3.5 ft	N			
K19	K19_S2_3.5-5.5	11/20/2015	3.5 - 5.5 ft	N			
K19	K19_S3_5.5-7.5	11/20/2015	5.5 - 7.5 ft	N			
K19	K19_S4_7.5-9.5	11/20/2015	7.5 - 9.5 ft	N			
K19	Z19_S4_7.5-9.5	11/20/2015	7.5 - 9.5 ft	FD			
K3	K3_S1_0.6-1.6'	11/17/2015	0.6 - 1.6 ft	N			X
K3	K3_S2_1.6-3.6'	11/17/2015	1.6 - 3.6 ft	N			X
K3	K3_S3_3.6-5.6'	11/17/2015	3.6 - 5.6 ft	N			
K3	K3_S4_5.6-7.6'	11/17/2015	5.6 - 7.6 ft	N			
K4	K4_S1_1.4-2.4'	11/17/2015	1.4 - 2.4 ft	N			X
K4	K4_S2_2.4-4.4'	11/17/2015	2.4 - 4.4 ft	N			
K4	K4_S3_4.4-6.4'	11/17/2015	4.4 - 6.4 ft	N			
K4	K4_S4_6.4-8.4'	11/17/2015	6.4 - 8.4 ft	N			
K5	K5_S1_1.8-2.8	11/24/2015	1.8 - 2.8 ft	N			X
K5	K5_S2_2.8-4.8	11/24/2015	2.8 - 4.8 ft	N			
K5	K5_S3_4.8-6.8	11/24/2015	4.8 - 6.8 ft	N			
K5	K5_S4_6.8-8.8	11/24/2015	6.8 - 8.8 ft	N			
K6	K6_S1_1-5	06/30/2010	1 - 5 ft	N	X		X
K6	K6_S10_19-21	06/30/2010	19 - 21 ft	N			
K6	K6_S11_21-23	06/30/2010	21 - 23 ft	N			
K6	K6_S12_23-25	06/30/2010	23 - 25 ft	N			
K6	K6_S2_6-7	06/30/2010	6 - 7 ft	N			
K6	K6_S3_7-9	06/30/2010	7 - 9 ft	N			
K6	K6_S4_6-9	06/30/2010	6 - 9 ft	N			
K6	K6_S5_9-11	06/30/2010	9 - 11 ft	N			
K6	K6_S6_11-13	06/30/2010	11 - 13 ft	N			
K6	K6_S7_13-15	06/30/2010	13 - 15 ft	N			
K6	K6_S8_15-17	06/30/2010	15 - 17 ft	N			
K6	K6_S9_17-19	06/30/2010	17 - 19 ft	N			
K7	K7_S1_0.4-7.2	06/28/2010	0.4 - 7.2 ft	N	X		X
K7	K7_S10_23.4-25.4	06/28/2010	23.4 - 25.4 ft	N			
K7	K7_S2_9.4-11.4	06/28/2010	9.4 - 11.4 ft	N			
K7	K7_S3_11.4-13.4	06/28/2010	11.4 - 13.4 ft	N			
K7	K7_S4_7.5-11.7	06/28/2010	7.5 - 11.7 ft	N			
K7	K7_S5_13.4-15.4	06/28/2010	13.4 - 15.4 ft	N			
K7	K7_S6_15.4-17.4	06/28/2010	15.4 - 17.4 ft	N			
K7	K7_S7_17.4-19.4	06/28/2010	17.4 - 19.4 ft	N			
K7	K7_S8_19.4-21.4	06/28/2010	19.4 - 21.4 ft	N			
K7	K7_S9_21.4-23.1	06/28/2010	21.4 - 23.1 ft	N			
K8	K8_S1_7.0-8.2	03/03/2015	7 - 8.2 ft	N			
K8	K8_S3_7.0-8.2	03/03/2015	7 - 8.2 ft	N			
K8	K8_S4_8.2-10.2	03/03/2015	8.2 - 10.2 ft	N			
K8	K8_S5_10.2-12.2	03/03/2015	10.2 - 12.2 ft	N			
K9	K9_S1_7.0-7.5	03/04/2015	7 - 7.5 ft	N			
K9	K9_S2_7.5-9.5	03/04/2015	7.5 - 9.5 ft	N			
K9	K9_S3_7.0-7.5	03/04/2015	7 - 7.5 ft	N			
K9	K9_S4_7.5-9.5	03/04/2015	7.5 - 9.5 ft	N			
L10	L10_S1_0-8	01/23/2015	0 - 8 ft	N	X		X
L10	L10_S2_2-4	01/23/2015	2 - 4 ft	N	X		
L10	L10_S3_4-6	01/23/2015	4 - 6 ft	N			
L10	L10_S4_6-8	01/23/2015	6 - 8 ft	N			
L10	L10_S5_8-10	01/23/2015	8 - 10 ft	N			
L10	L10_S6_8-10	01/23/2015	8 - 10 ft	N			
L11	L11_S1_4.0-5.6	12/23/2010	4 - 5.6 ft	N			
L11	L11_S2_5.6-7.6	12/23/2010	5.6 - 7.6 ft	N			
L11	L11_S3_7.6-9.6	12/23/2010	7.6 - 9.6 ft	N			
L11	L11_S4_4.0-9.6	12/23/2010	4 - 9.6 ft	N			
L11	L11_S5_9.6-11.6	12/23/2010	9.6 - 11.6 ft	N			
L11	L11_S6_11.6-13.6	12/23/2010	11.6 - 13.6 ft	N			
L11	L11_S7_9.6-14.6	12/23/2010	9.6 - 14.6 ft	N			
L11	L11_S8_14.6-19.6	12/23/2010	14.6 - 19.6 ft	N			
L12	L12_S1_0-4.5	06/01/2010	0 - 4.5 ft	N			
L12	L12_S10_19-21	06/01/2010	19 - 21 ft	N			
L12	L12_S11_21-23	06/01/2010	21 - 23 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
L12	L12_S12_23-25	06/01/2010	23 - 25 ft	N			
L12	L12_S2_5-7	06/01/2010	5 - 7 ft	N			
L12	L12_S3_7-9	06/01/2010	7 - 9 ft	N			
L12	L12_S4_5-9	06/01/2010	5 - 9 ft	N			
L12	L12_S5_9-11	06/01/2010	9 - 11 ft	N			
L12	L12_S6_11-13	06/01/2010	11 - 13 ft	N			
L12	L12_S7_13-15	06/01/2010	13 - 15 ft	N			
L12	L12_S8_15-17	06/01/2010	15 - 17 ft	N			
L12	L12_S9_17-19	06/01/2010	17 - 19 ft	N			
L13	L13_S1_0.5-3.5	07/09/2010	0.5 - 3.5 ft	N	X		X
L13	L13_S10_18.1-20.1	07/09/2010	18.1 - 20.1 ft	N			
L13	L13_S11_20.1-22.1	07/09/2010	20.1 - 22.1 ft	N			
L13	L13_S12_22.1-24.1	07/09/2010	22.1 - 24.1 ft	N			
L13	L13_S2_4.1-6.1	07/09/2010	4.1 - 6.1 ft	N			
L13	L13_S3_6.1-8.1	07/09/2010	6.1 - 8.1 ft	N			
L13	L13_S4_8.1-10.1	07/09/2010	8.1 - 10.1 ft	N			
L13	L13_S5_3.8-10.1	07/09/2010	3.8 - 10.1 ft	N			
L13	L13_S6_10.1-12.1	07/09/2010	10.1 - 12.1 ft	N			
L13	L13_S7_12.1-14.1	07/09/2010	12.1 - 14.1 ft	N			
L13	L13_S8_14.1-16.1	07/09/2010	14.1 - 16.1 ft	N			
L13	L13_S9_16.1-18.1	07/09/2010	16.1 - 18.1 ft	N			
L14	L14_S1_0.5-3.5	06/25/2010	0.5 - 3.5 ft	N	X		X
L14	L14_S10_18-20	06/25/2010	18 - 20 ft	N			
L14	L14_S11_20-22	06/25/2010	20 - 22 ft	N			
L14	L14_S12_22-24	06/25/2010	22 - 24 ft	N			
L14	L14_S2_4-4.9	06/25/2010	4 - 4.9 ft	N			
L14	L14_S3_7-8	06/25/2010	7 - 8 ft	N			
L14	L14_S4_8-10	06/25/2010	8 - 10 ft	N			
L14	L14_S5_4-10	06/25/2010	4 - 10 ft	N			
L14	L14_S6_10-12	06/25/2010	10 - 12 ft	N			
L14	L14_S7_12-14	06/25/2010	12 - 14 ft	N			
L14	L14_S8_14-16	06/25/2010	14 - 16 ft	N			
L14	L14_S9_16-18	06/25/2010	16 - 18 ft	N			
L14A	L14a_S1_4-9	01/03/2011	4 - 9 ft	N			
L14A	L14a_S2_9-14	01/03/2011	9 - 14 ft	N			
L14A	L14a_S3_14-19	01/03/2011	14 - 19 ft	N			
L14A	L14a_S4_22-27	01/03/2011	22 - 27 ft	N			
L15	L15_S1_0.5-1.9	06/25/2010	0.5 - 1.9 ft	N	X		X
L15	L15_S10_20-22	06/25/2010	20 - 22 ft	N			
L15	L15_S3_8-10	06/25/2010	8 - 10 ft	N			
L15	L15_S4_6-10	06/25/2010	6 - 10 ft	N			
L15	L15_S5_10-12	06/25/2010	10 - 12 ft	N			
L15	L15_S6_12-14	06/25/2010	12 - 14 ft	N			
L15	L15_S7_14-16	06/25/2010	14 - 16 ft	N			
L15	L15_S8_16-18	06/25/2010	16 - 18 ft	N			
L15	L15_S9_18-20	06/25/2010	18 - 20 ft	N			
L16	L16_S1_0.7-2.0	06/25/2010	0.7 - 2 ft	N	X		X
L16	L16_S10_15.8-17.8	06/25/2010	15.8 - 17.8 ft	N			
L16	L16_S11_17.8-19.8	06/25/2010	17.8 - 19.8 ft	N			
L16	L16_S12_19.8-21.8	06/25/2010	19.8 - 21.8 ft	N			
L16	L16_S13_21.8-23.3	06/25/2010	21.8 - 23.3 ft	N			
L16	L16_S14_23.3-23.8	06/25/2010	23.3 - 23.8 ft	N			
L16	L16_S4_5.8-7.8	06/25/2010	5.8 - 7.8 ft	N			
L16	L16_S5_7.8-9.8	06/25/2010	7.8 - 9.8 ft	N			
L16	L16_S6_2.4-7.6	06/25/2010	2.4 - 7.6 ft	N			
L16	L16_S7_9.8-11.8	06/25/2010	9.8 - 11.8 ft	N			
L16	L16_S8_11.8-13.8	06/25/2010	11.8 - 13.8 ft	N			
L16	L16_S9_13.8-15.8	06/25/2010	13.8 - 15.8 ft	N			
L17	L17_S1_0.6-2.3	07/08/2010	0.6 - 2.3 ft	N	X		X
L17	L17_S10_15.7-17.7	07/08/2010	15.7 - 17.7 ft	N			
L17	L17_S11_17.7-19.7	07/08/2010	17.7 - 19.7 ft	N			
L17	L17_S12_19.7-21.7	07/08/2010	19.7 - 21.7 ft	N			
L17	L17_S13_21.7-23.7	07/08/2010	21.7 - 23.7 ft	N			
L17	L17_S4_5.7-7.7	07/08/2010	5.7 - 7.7 ft	N			
L17	L17_S5_7.7-9.7	07/08/2010	7.7 - 9.7 ft	N			
L17	L17_S6_9.7-11.7	07/08/2010	9.7 - 11.7 ft	N			
L17	L17_S7_11.7-13.7	07/08/2010	11.7 - 13.7 ft	N			
L17	L17_S8_2.6-10.5	07/08/2010	2.6 - 10.5 ft	N			
L17	L17_S9_13.7-15.7	07/08/2010	13.7 - 15.7 ft	N			
L18	L18_S1_1-3.5	06/17/2010	1 - 3.5 ft	N	X		
L18	L18_S10_17.5-19.5	06/17/2010	17.5 - 19.5 ft	N			
L18	L18_S11_19.5-21.5	06/17/2010	19.5 - 21.5 ft	N			
L18	L18_S12_21.5-23.5	06/17/2010	21.5 - 23.5 ft	N			
L18	L18_S13_23.5-25.5	06/17/2010	23.5 - 25.5 ft	N			
L18	L18_S2_3.5-5.5	06/17/2010	3.5 - 5.5 ft	N			
L18	L18_S3_5.5-7.5	06/17/2010	5.5 - 7.5 ft	N			
L18	L18_S4_3.5-7.5	06/17/2010	3.5 - 7.5 ft	N			
L18	L18_S5_7.5-9.5	06/17/2010	7.5 - 9.5 ft	N			
L18	L18_S6_9.5-11.5	06/17/2010	9.5 - 11.5 ft	N			
L18	L18_S7_11.5-13.5	06/17/2010	11.5 - 13.5 ft	N			
L18	L18_S8_13.5-15.5	06/17/2010	13.5 - 15.5 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
L18	L18_S9_15.5-17.5	06/17/2010	15.5 - 17.5 ft	N			
L3	L3_S1_0.0-0.8'	11/17/2015	0 - 0.8 ft	N			X
L3	L3_S2_0.8-2.8'	11/17/2015	0.8 - 2.8 ft	N			X
L3	L3_S3_2.8-4.8'	11/17/2015	2.8 - 4.8 ft	N			
L3	L3_S4_4.8-6.8'	11/17/2015	4.8 - 6.8 ft	N			
L4	L4_S1_1.3-2.3'	11/18/2015	1.3 - 2.3 ft	N			X
L4	L4_S2_2.3-4.3'	11/18/2015	2.3 - 4.3 ft	N			
L4	L4_S3_4.3-6.3'	11/18/2015	4.3 - 6.3 ft	N			
L4	L4_S4_6.3-8.3'	11/18/2015	6.3 - 8.3 ft	N			
L5	L5_S1_1.6-2.6	11/24/2015	1.6 - 2.6 ft	N			X
L5	L5_S2_2.6-4.6	11/24/2015	2.6 - 4.6 ft	N			
L5	L5_S3_4.6-6.6	11/24/2015	4.6 - 6.6 ft	N			
L5	L5_S4_6.6-8.6	11/24/2015	6.6 - 8.6 ft	N			
L6	L6_S1_0.7-5.2	07/01/2010	0.7 - 5.2 ft	N	X		X
L6	L6_S2_6.7-8.7	07/01/2010	6.7 - 8.7 ft	N			
L6	L6_S3_8.7-10.7	07/01/2010	8.7 - 10.7 ft	N			
L6	L6_S4_10.7-12.7	07/01/2010	10.7 - 12.7 ft	N			
L6	L6_S5_12.7-14.7	07/01/2010	12.7 - 14.7 ft	N			
L6	L6_S6_14.7-16.7	07/01/2010	14.7 - 16.7 ft	N			
L6	L6_S7_16.7-18.7	07/01/2010	16.7 - 18.7 ft	N			
L6	L6_S8_18.7-20.7	07/01/2010	18.7 - 20.7 ft	N			
L6	L6_S9_20.7-22.7	07/01/2010	20.7 - 22.7 ft	N			
L7	L7_S1_0.8-4.7	06/28/2010	0.8 - 4.7 ft	N	X		X
L7	L7_S10_20-22	06/29/2010	20 - 22 ft	N			
L7	L7_S11_22-23.5	06/29/2010	22 - 23.5 ft	N			
L7	L7_S12_23.5-24	06/29/2010	23.5 - 24 ft	N			
L7	L7_S2_6-8	06/28/2010	6 - 8 ft	N			
L7	L7_S3_8-10	06/28/2010	8 - 10 ft	N			
L7	L7_S4_10-12	06/29/2010	10 - 12 ft	N			
L7	L7_S5_12-14	06/29/2010	12 - 14 ft	N			
L7	L7_S6_14-16	06/29/2010	14 - 16 ft	N			
L7	L7_S7_16-18	06/29/2010	16 - 18 ft	N			
L7	L7_S8_5.2-14	06/29/2010	5.2 - 14 ft	N			
L7	L7_S9_18-20	06/29/2010	18 - 20 ft	N			
L8	L8_S1_0.5-5.0	12/20/2010	0.5 - 5 ft	N	X		X
L8	L8_S2_5-10	12/20/2010	5 - 10 ft	N			
L8	L8_S3_10-15	12/20/2010	10 - 15 ft	N			
L8A	L8A_S1_2.1-3.1'	11/18/2015	2.1 - 3.1 ft	N			
L8A	L8A_S2_3.1-5.1'	11/18/2015	3.1 - 5.1 ft	N			
L8A	L8A_S3_5.1-7.1'	11/18/2015	5.1 - 7.1 ft	N			
L8A	L8A_S4_7.1-9.1'	11/18/2015	7.1 - 9.1 ft	N			
L9	L9_S5_9.3-11.3	03/04/2015	9.3 - 11.3 ft	N			
M10	M10_S1_6.4-7.0	03/03/2015	6.4 - 7 ft	N			
M10	M10_S2_6.4-7.0	03/03/2015	6.4 - 7 ft	N			
M10	M10_S3_7.0-9.0	03/03/2015	7 - 9 ft	N			
M10	M10_S4_9.0-11.0	03/03/2015	9 - 11 ft	N			
M11	M11_S1_0-4	06/01/2010	0 - 4 ft	N	X		X
M11	M11_S10_19-21	06/01/2010	19 - 21 ft	N			
M11	M11_S11_21-23	06/01/2010	21 - 23 ft	N			
M11	M11_S12_23-25	06/01/2010	23 - 25 ft	N			
M11	M11_S2_5-7	06/01/2010	5 - 7 ft	N			
M11	M11_S3_7-9	06/01/2010	7 - 9 ft	N			
M11	M11_S4_5-9	06/01/2010	5 - 9 ft	N			
M11	M11_S5_9-11	06/01/2010	9 - 11 ft	N			
M11	M11_S6_11-13	06/01/2010	11 - 13 ft	N			
M11	M11_S7_13-15	06/01/2010	13 - 15 ft	N			
M11	M11_S8_15-17	06/01/2010	15 - 17 ft	N			
M11	M11_S9_17-19	06/01/2010	17 - 19 ft	N			
M12	M12_S1_0.5-3	06/02/2010	0.5 - 3 ft	N	X		X
M12	M12_S10_19.3-21.3	06/02/2010	19.3 - 21.3 ft	N			
M12	M12_S11_21.3-23.3	06/02/2010	21.3 - 23.3 ft	N			
M12	M12_S12_23.3-25.3	06/02/2010	23.3 - 25.3 ft	N			
M12	M12_S2_4-5	06/02/2010	4 - 5 ft	N			
M12	M12_S3_7.3-9.3	06/02/2010	7.3 - 9.3 ft	N			
M12	M12_S4_9.3-11.3	06/02/2010	9.3 - 11.3 ft	N			
M12	M12_S5_11.3-13.3	06/02/2010	11.3 - 13.3 ft	N			
M12	M12_S6_4-11.3	06/02/2010	4 - 11.3 ft	N			
M12	M12_S7_13.3-15.3	06/02/2010	13.3 - 15.3 ft	N			
M12	M12_S8_15.3-17.3	06/02/2010	15.3 - 17.3 ft	N			
M12	M12_S9_17.3-19.3	06/02/2010	17.3 - 19.3 ft	N			
M12A	M12A_S1_3.3-7.3	01/23/2015	3.3 - 7.3 ft	N			
M12A	M12A_S2_3.3-5.3	01/23/2015	3.3 - 5.3 ft	N			
M12A	M12A_S3_5.3-7.3	01/23/2015	5.3 - 7.3 ft	N			
M12A	Z3_S1_5.3-7.3	01/23/2015	5.3 - 7.3 ft	FD			
M13	M13_S1_0.5-2.5	06/22/2010	0.5 - 2.5 ft	N	X		X
M13	M13_S10_18.5-20.5	06/22/2010	18.5 - 20.5 ft	N			
M13	M13_S11_20.5-22.5	06/22/2010	20.5 - 22.5 ft	N			
M13	M13_S3_4.5-6.5	06/22/2010	4.5 - 6.5 ft	N			
M13	M13_S4_2.5-6.5	06/22/2010	2.5 - 6.5 ft	N			
M13	M13_S5_8.5-10.5	06/22/2010	8.5 - 10.5 ft	N			
M13	M13_S6_10.5-12.5	06/22/2010	10.5 - 12.5 ft	N			

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SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
M13	M13_S7_12.5-14.5	06/22/2010	12.5 - 14.5 ft	N			
M13	M13_S8_14.5-16.5	06/22/2010	14.5 - 16.5 ft	N			
M13	M13_S9_16.5-18.5	06/22/2010	16.5 - 18.5 ft	N			
M14	M14_S1_0.5-2.0	06/04/2010	0.5 - 2 ft	N	X		X
M14	M14_S10_17.0-19.0	06/04/2010	17 - 19 ft	N			
M14	M14_S11_19.0-21.0	06/04/2010	19 - 21 ft	N			
M14	M14_S12_21.0-23.0	06/04/2010	21 - 23 ft	N			
M14	M14_S2_2.5-4.0	06/04/2010	2.5 - 4 ft	N	X		
M14	M14_S3_4.0-6.0	06/04/2010	4 - 6 ft	N			
M14	M14_S4_6.0-6.3	06/04/2010	6 - 6.3 ft	N			
M14	M14_S5_2.5-6.3	06/04/2010	2.5 - 6.3 ft	N			
M14	M14_S6_9.0-11.0	06/04/2010	9 - 11 ft	N			
M14	M14_S7_11.0-13.0	06/04/2010	11 - 13 ft	N			
M14	M14_S8_13.0-15.0	06/04/2010	13 - 15 ft	N			
M14	M14_S9_15.0-17.0	06/04/2010	15 - 17 ft	N			
M14A	M14A_S1_2-7.5	01/23/2015	2 - 7.5 ft	N			
M14A	M14A_S2_5.5-7.5	01/23/2015	5.5 - 7.5 ft	N			
M14A	M14A_S3_7.5-9.5	01/23/2015	7.5 - 9.5 ft	N			
M14A	Z1_S1_5.5-7.5	01/23/2015	5.5 - 7.5 ft	FD			
M14A	Z1_S2_7.5-9.5	01/23/2015	7.5 - 9.5 ft	FD			
M15	M15_S1_1-2.5	07/12/2010	1 - 2.5 ft	N	X		X
M15	M15_S10_17.5-19.5	07/12/2010	17.5 - 19.5 ft	N			
M15	M15_S11_19.5-21.5	07/12/2010	19.5 - 21.5 ft	N			
M15	M15_S12_21.5-23.5	07/12/2010	21.5 - 23.5 ft	N			
M15	M15_S2_5-5.5	07/12/2010	5 - 5.5 ft	N			
M15	M15_S3_5.5-7.5	07/12/2010	5.5 - 7.5 ft	N			
M15	M15_S4_7.5-9.5	07/12/2010	7.5 - 9.5 ft	N			
M15	M15_S5_5-9.5	07/12/2010	5 - 9.5 ft	N			
M15	M15_S6_9.5-11.5	07/12/2010	9.5 - 11.5 ft	N			
M15	M15_S7_11.5-13.5	07/12/2010	11.5 - 13.5 ft	N			
M15	M15_S8_13.5-15.5	07/12/2010	13.5 - 15.5 ft	N			
M15	M15_S9_15.5-17.5	07/12/2010	15.5 - 17.5 ft	N			
M16	M16_S1_1.0-1.6	07/07/2010	1 - 1.6 ft	N	X		X
M16	M16_S10_15.6-17.6	07/08/2010	15.6 - 17.6 ft	N			
M16	M16_S11_17.6-19.6	07/08/2010	17.6 - 19.6 ft	N			
M16	M16_S12_19.6-21.6	07/08/2010	19.6 - 21.6 ft	N			
M16	M16_S13_21.6-23.6	07/08/2010	21.6 - 23.6 ft	N			
M16	M16_S14_23.6-25.6	07/08/2010	23.6 - 25.6 ft	N			
M16	M16_S3_3.6-5.6	07/07/2010	3.6 - 5.6 ft	N			
M16	M16_S4_5.6-7.6	07/07/2010	5.6 - 7.6 ft	N			
M16	M16_S5_7.6-9.6	07/08/2010	7.6 - 9.6 ft	N			
M16	M16_S6_2.0-8.9	07/08/2010	2 - 8.9 ft	N			
M16	M16_S7_9.6-11.6	07/08/2010	9.6 - 11.6 ft	N			
M16	M16_S8_11.6-13.6	07/08/2010	11.6 - 13.6 ft	N			
M16	M16_S9_13.6-15.6	07/08/2010	13.6 - 15.6 ft	N			
M17	M17_S1_0.4-2.2	07/21/2010	0.4 - 2.2 ft	N	X		X
M17	M17_S10_17.4-19.4	07/21/2010	17.4 - 19.4 ft	N			
M17	M17_S11_19.4-21.4	07/21/2010	19.4 - 21.4 ft	N			
M17	M17_S12_21.4-23.4	07/21/2010	21.4 - 23.4 ft	N			
M17	M17_S3_5.4-7.4	07/21/2010	5.4 - 7.4 ft	N			
M17	M17_S4_7.4-9.4	07/21/2010	7.4 - 9.4 ft	N			
M17	M17_S5_3.4-9.4	07/21/2010	3.4 - 9.4 ft	N			
M17	M17_S6_9.4-11.4	07/21/2010	9.4 - 11.4 ft	N			
M17	M17_S7_11.4-13.4	07/21/2010	11.4 - 13.4 ft	N			
M17	M17_S8_13.4-15.4	07/21/2010	13.4 - 15.4 ft	N			
M17	M17_S9_15.4-17.4	07/21/2010	15.4 - 17.4 ft	N			
M18	M18_S1_0.7-3.3	06/17/2010	0.7 - 3.3 ft	N	X		X
M18	M18_S10_19.3-21.3	06/18/2010	19.3 - 21.3 ft	N			
M18	M18_S11_21.3-22.8	06/18/2010	21.3 - 22.8 ft	N			
M18	M18_S12_22.8-23.3	06/18/2010	22.8 - 23.3 ft	N			
M18	M18_S2_5.3-7.3	06/18/2010	5.3 - 7.3 ft	N			
M18	M18_S3_7.3-9.3	06/18/2010	7.3 - 9.3 ft	N			
M18	M18_S4_9.3-11.3	06/18/2010	9.3 - 11.3 ft	N			
M18	M18_S5_11.3-13.3	06/18/2010	11.3 - 13.3 ft	N			
M18	M18_S6_3.3-9.3	06/18/2010	3.3 - 9.3 ft	N			
M18	M18_S7_13.3-15.3	06/18/2010	13.3 - 15.3 ft	N			
M18	M18_S8_15.3-17.3	06/18/2010	15.3 - 17.3 ft	N			
M18	M18_S9_17.3-19.3	06/18/2010	17.3 - 19.3 ft	N			
M18A	M18A_S1_3.2-5.2	01/22/2015	3.2 - 5.2 ft	N			
M19	M19_S1_2.2-3.2	11/20/2015	2.2 - 3.2 ft	N			
M19	M19_S2_3.2-5.2	11/20/2015	3.2 - 5.2 ft	N			
M19	M19_S3_5.2-7.2	11/20/2015	5.2 - 7.2 ft	N			
M19	M19_S4_7.2-9.2	11/20/2015	7.2 - 9.2 ft	N			
M4	M4_S1_0.8-1.8'	11/18/2015	0.8 - 1.8 ft	N			X
M4	M4_S2_1.8-3.8'	11/18/2015	1.8 - 3.8 ft	N			X
M4	M4_S3_3.8-5.8'	11/18/2015	3.8 - 5.8 ft	N			
M4	M4_S4_5.8-7.8'	11/18/2015	5.8 - 7.8 ft	N			
M4	Z4_S3_3.8-5.8'	11/18/2015	3.8 - 5.8 ft	FD			
M5	M5_S1_1.1-2.1	11/24/2015	1.1 - 2.1 ft	N			X
M5	M5_S2_2.1-4.1	11/24/2015	2.1 - 4.1 ft	N			
M5	M5_S3_4.1-6.1	11/24/2015	4.1 - 6.1 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
M5	M5_S4_6.1-8.1	11/24/2015	6.1 - 8.1 ft	N			
M5	Z5_S2_2.1-4.1	11/24/2015	2.1 - 4.1 ft	FD			
M6	M6_S1_1.4-2.4'	11/17/2015	1.4 - 2.4 ft	N			X
M6	M6_S2_2.4-4.4'	11/17/2015	2.4 - 4.4 ft	N			
M6	M6_S3_4.4-6.4'	11/17/2015	4.4 - 6.4 ft	N			
M6	M6_S4_6.4-8.4'	11/17/2015	6.4 - 8.4 ft	N			
M7	M7_S1_5-10	12/20/2010	5 - 10 ft	N			
M7	M7_S2_10-15	12/21/2010	10 - 15 ft	N			
M7	M7_S3_15-20	12/21/2010	15 - 20 ft	N			
M7A	M7A_S1_1.6-2.6	11/23/2015	1.6 - 2.6 ft	N			X
M7A	M7A_S2_2.6-4.6	11/23/2015	2.6 - 4.6 ft	N			
M7A	M7A_S3_4.6-6.6	11/23/2015	4.6 - 6.6 ft	N			
M7A	M7A_S4_6.6-8.6	11/23/2015	6.6 - 8.6 ft	N			
M8	M8_S1_1.7-2.7'	11/18/2015	1.7 - 2.7 ft	N			X
M8	M8_S2_2.7-4.7'	11/18/2015	2.7 - 4.7 ft	N			
M8	M8_S3_4.7-6.7'	11/18/2015	4.7 - 6.7 ft	N			
M8	M8_S4_6.7-8.7'	11/18/2015	6.7 - 8.7 ft	N			
N10	N10_S1_0-4	01/23/2015	0 - 4 ft	N	X		X
N10	N10_S3_0-2.5	01/23/2015	0 - 2.5 ft	N	X		X
N10	N10_S6_6.5-8.5	01/23/2015	6.5 - 8.5 ft	N			
N11	N11_S1_0.3-4	06/01/2010	0.3 - 4 ft	N	X		X
N11	N11_S10_15-17	06/01/2010	15 - 17 ft	N			
N11	N11_S11_17-19	06/01/2010	17 - 19 ft	N			
N11	N11_S12_19-21	06/01/2010	19 - 21 ft	N			
N11	N11_S13_21-23	06/01/2010	21 - 23 ft	N			
N11	N11_S14_23-25	06/01/2010	23 - 25 ft	N			
N11	N11_S2_4.5-11	06/01/2010	4.5 - 11 ft	N			
N11	N11_S5_5-7	06/01/2010	5 - 7 ft	N			
N11	N11_S6_7-9	06/01/2010	7 - 9 ft	N			
N11	N11_S7_9-11	06/01/2010	9 - 11 ft	N			
N11	N11_S8_11-13	06/01/2010	11 - 13 ft	N			
N11	N11_S9_13-15	06/01/2010	13 - 15 ft	N			
N12	N12_S1_0-3.3	06/04/2010	0 - 3.3 ft	N	X		X
N12	N12_S10_18.9-20.9	06/04/2010	18.9 - 20.9 ft	N			
N12	N12_S11_20.9-22.9	06/04/2010	20.9 - 22.9 ft	N			
N12	N12_S12_22.9-24.9	06/04/2010	22.9 - 24.9 ft	N			
N12	N12_S2_4.9-6.9	06/04/2010	4.9 - 6.9 ft	N			
N12	N12_S3_6.9-8.9	06/04/2010	6.9 - 8.9 ft	N			
N12	N12_S4_4.9-10.9	06/04/2010	4.9 - 10.9 ft	N			
N12	N12_S5_8.9-10.9	06/04/2010	8.9 - 10.9 ft	N			
N12	N12_S6_10.9-12.9	06/04/2010	10.9 - 12.9 ft	N			
N12	N12_S7_12.9-14.9	06/04/2010	12.9 - 14.9 ft	N			
N12	N12_S8_14.9-16.9	06/04/2010	14.9 - 16.9 ft	N			
N12	N12_S9_16.9-18.9	06/04/2010	16.9 - 18.9 ft	N			
N13	N13_S1_1-2.3	06/22/2010	1 - 2.3 ft	N	X		X
N13	N13_S10_18-20	06/22/2010	18 - 20 ft	N			
N13	N13_S11_20-22	06/22/2010	20 - 22 ft	N			
N13	N13_S12_22-24	06/22/2010	22 - 24 ft	N			
N13	N13_S3_6-8	06/22/2010	6 - 8 ft	N			
N13	N13_S4_2.7-8.0	06/22/2010	2.7 - 8 ft	N			
N13	N13_S5_8-10	06/22/2010	8 - 10 ft	N			
N13	N13_S6_10-12	06/22/2010	10 - 12 ft	N			
N13	N13_S7_12-14	06/22/2010	12 - 14 ft	N			
N13	N13_S8_14-16	06/22/2010	14 - 16 ft	N			
N13	N13_S9_16-18	06/22/2010	16 - 18 ft	N			
N14	N14_S1_0.6-1.6	06/22/2010	0.6 - 1.6 ft	N	X		X
N14	N14_S10_19-21	06/22/2010	19 - 21 ft	N			
N14	N14_S11_21-23	06/22/2010	21 - 23 ft	N			
N14	N14_S2_5-7	06/22/2010	5 - 7 ft	N			
N14	N14_S3_7-9	06/22/2010	7 - 9 ft	N			
N14	N14_S4_2.5-9	06/22/2010	2.5 - 9 ft	N			
N14	N14_S5_9-11	06/22/2010	9 - 11 ft	N			
N14	N14_S6_11-13	06/22/2010	11 - 13 ft	N			
N14	N14_S7_13-15	06/22/2010	13 - 15 ft	N			
N14	N14_S8_15-17	06/22/2010	15 - 17 ft	N			
N14	N14_S9_17-19	06/22/2010	17 - 19 ft	N			
N15	N15_S1_0.5-2.7	06/21/2010	0.5 - 2.7 ft	N	X		X
N15	N15_S10_17.2-19.2	06/22/2010	17.2 - 19.2 ft	N			
N15	N15_S11_19.2-21.2	06/22/2010	19.2 - 21.2 ft	N			
N15	N15_S12_21.2-23.2	06/22/2010	21.2 - 23.2 ft	N			
N15	N15_S2_4.2-5.2	06/21/2010	4.2 - 5.2 ft	N			
N15	N15_S3_5.2-7.2	06/21/2010	5.2 - 7.2 ft	N			
N15	N15_S4_4.2-7.2	06/21/2010	4.2 - 7.2 ft	N			
N15	N15_S5_7.2-9.2	06/21/2010	7.2 - 9.2 ft	N			
N15	N15_S6_9.2-11.2	06/21/2010	9.2 - 11.2 ft	N			
N15	N15_S7_11.2-13.2	06/21/2010	11.2 - 13.2 ft	N			
N15	N15_S8_13.2-15.2	06/21/2010	13.2 - 15.2 ft	N			
N15	N15_S9_15.2-17.2	06/22/2010	15.2 - 17.2 ft	N			
N16	N16_S1_1.3-2.1	06/18/2010	1.3 - 2.1 ft	N	X		X
N16	N16_S10_19.3-21.3	06/21/2010	19.3 - 21.3 ft	N			
N16	N16_S11_21.3-23.3	06/21/2010	21.3 - 23.3 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
N16	N16_S12_23.3-25.3	06/21/2010	23.3 - 25.3 ft	N			
N16	N16_S3_7.3-9.3	06/21/2010	7.3 - 9.3 ft	N			
N16	N16_S4_9.3-11.3	06/21/2010	9.3 - 11.3 ft	N			
N16	N16_S5_11.3-13.3	06/21/2010	11.3 - 13.3 ft	N			
N16	N16_S6_13.3-15.3	06/21/2010	13.3 - 15.3 ft	N			
N16	N16_S7_5.3-15.3	06/21/2010	5.3 - 15.3 ft	N			
N16	N16_S8_15.3-17.3	06/21/2010	15.3 - 17.3 ft	N			
N16	N16_S9_17.3-19.3	06/21/2010	17.3 - 19.3 ft	N			
N16A	N16A_S4_7.3-9.3	01/22/2015	7.3 - 9.3 ft	N			
N17	N17_S1_0.5-0.9	07/08/2010	0.5 - 0.9 ft	N	X		X
N17	N17_S10_15.1-17.1	07/08/2010	15.1 - 17.1 ft	N			
N17	N17_S11_17.1-19.1	07/08/2010	17.1 - 19.1 ft	N			
N17	N17_S12_19.1-21.1	07/08/2010	19.1 - 21.1 ft	N			
N17	N17_S2_1.1-3.1	07/08/2010	1.1 - 3.1 ft	N			
N17	N17_S3_3.1-5.1	07/08/2010	3.1 - 5.1 ft	N			
N17	N17_S4_5.1-7.1	07/08/2010	5.1 - 7.1 ft	N			
N17	N17_S5_1.1-6.1	07/08/2010	1.1 - 6.1 ft	N			
N17	N17_S6_7.1-9.1	07/08/2010	7.1 - 9.1 ft	N			
N17	N17_S7_9.1-11.1	07/08/2010	9.1 - 11.1 ft	N			
N17	N17_S8_11.1-13.1	07/08/2010	11.1 - 13.1 ft	N			
N17	N17_S9_13.1-15.1	07/08/2010	13.1 - 15.1 ft	N			
N17A	N17a_S1_1-6	12/30/2010	1 - 6 ft	N			
N17A	N17a_S2_6-11	12/30/2010	6 - 11 ft	N			
N17A	N17a_S3_23-28	12/30/2010	23 - 28 ft	N			
N18	N18_S1_0.9-4.8	06/17/2010	0.9 - 4.8 ft	N	X		X
N18	N18_S10_19-21	06/17/2010	19 - 21 ft	N			
N18	N18_S11_21-23	06/17/2010	21 - 23 ft	N			
N18	N18_S12_23-25	06/17/2010	23 - 25 ft	N			
N18	N18_S2_5-7	06/17/2010	5 - 7 ft	N			
N18	N18_S3_7-9	06/17/2010	7 - 9 ft	N			
N18	N18_S4_9-11	06/17/2010	9 - 11 ft	N			
N18	N18_S5_11-13	06/17/2010	11 - 13 ft	N			
N18	N18_S6_13-15	06/17/2010	13 - 15 ft	N			
N18	N18_S7_4.8-14.8	06/17/2010	4.8 - 14.8 ft	N			
N18	N18_S8_15-17	06/17/2010	15 - 17 ft	N			
N18	N18_S9_17-19	06/17/2010	17 - 19 ft	N			
N19	N19_S1_1-5	12/29/2010	1 - 5 ft	N			X
N19	N19_S2_5-10	12/29/2010	5 - 10 ft	N			
N19A	N19A_S1_1.7-2.7	11/20/2015	1.7 - 2.7 ft	N			X
N19A	N19A_S2_2.7-4.7	11/20/2015	2.7 - 4.7 ft	N			
N19A	N19A_S3_4.7-6.7	11/20/2015	4.7 - 6.7 ft	N			
N19A	N19A_S4_6.7-8.7	11/20/2015	6.7 - 8.7 ft	N			
N20	N20_S1_1.5-2.5	11/20/2015	1.5 - 2.5 ft	N			X
N20	N20_S2_2.5-4.5	11/20/2015	2.5 - 4.5 ft	N			
N20	N20_S3_4.5-6.5	11/20/2015	4.5 - 6.5 ft	N			
N20	N20_S4_6.5-8.5	11/20/2015	6.5 - 8.5 ft	N			
N5	N5_S1_0.7-1.7	11/24/2015	0.7 - 1.7 ft	N			X
N5	N5_S2_1.7-3.7	11/24/2015	1.7 - 3.7 ft	N			X
N5	N5_S3_3.7-5.7	11/24/2015	3.7 - 5.7 ft	N			
N5	N5_S4_5.7-7.7	11/24/2015	5.7 - 7.7 ft	N			
N6	N6_S1_0.9-1.9'	11/17/2015	0.9 - 1.9 ft	N			X
N6	N6_S2_1.9-3.9'	11/17/2015	1.9 - 3.9 ft	N			X
N6	N6_S3_3.9-5.9'	11/17/2015	3.9 - 5.9 ft	N			
N6	N6_S4_5.9-7.9'	11/17/2015	5.9 - 7.9 ft	N			
N7	N7_S1_1.1-2.1	11/23/2015	1.1 - 2.1 ft	N			X
N7	N7_S2_2.1-4.1	11/23/2015	2.1 - 4.1 ft	N			
N7	N7_S3_4.1-6.1	11/23/2015	4.1 - 6.1 ft	N			
N7	N7_S4_6.1-8.1	11/23/2015	6.1 - 8.1 ft	N			
N8	N8_S1_0.4-4.4	02/03/2015	0.4 - 4.4 ft	N	X		X
N8	N8_S2_4.4-6.4	02/03/2015	4.4 - 6.4 ft	N			
N8	N8_S3_0.4-2.4	02/03/2015	0.4 - 2.4 ft	N	X		X
N8	N8_S4_2.4-4.4	02/03/2015	2.4 - 4.4 ft	N			
N8	N8_S5_4.4-6.4	02/03/2015	4.4 - 6.4 ft	N			
N9	N9_S1_1-4.9	12/29/2010	1 - 4.9 ft	N	X		X
N9	N9_S10_18.4-20.4	12/30/2010	18.4 - 20.4 ft	N			
N9	N9_S11_20.4-22.4	12/30/2010	20.4 - 22.4 ft	N			
N9	N9_S12_22.4-24.4	12/30/2010	22.4 - 24.4 ft	N			
N9	N9_S13_24.4-26.4	12/30/2010	24.4 - 26.4 ft	N			
N9	N9_S2_5.4-6.4	12/30/2010	5.4 - 6.4 ft	N			
N9	N9_S3_5.4-10	12/30/2010	5.4 - 10 ft	N			
N9	N9_S4_6.4-8.4	12/30/2010	6.4 - 8.4 ft	N			
N9	N9_S5_8.4-10.4	12/30/2010	8.4 - 10.4 ft	N			
N9	N9_S6_10.4-12.4	12/30/2010	10.4 - 12.4 ft	N			
N9	N9_S7_12.4-14.4	12/30/2010	12.4 - 14.4 ft	N			
N9	N9_S8_14.4-16.4	12/30/2010	14.4 - 16.4 ft	N			
N9	N9_S9_16.4-18.4	12/30/2010	16.4 - 18.4 ft	N			
O10	O10_S1_1.5-6.5	03/02/2015	1.5 - 6.5 ft	N			X
O10	O10_S2_1.5-2.5	03/02/2015	1.5 - 2.5 ft	N			X
O10	O10_S3_2.5-4.5	03/02/2015	2.5 - 4.5 ft	N			
O10	O10_S4_4.5-6.5	03/02/2015	4.5 - 6.5 ft	N			
O10	O10_S5_6.5-8.5	03/02/2015	6.5 - 8.5 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
O10	O10_S6_8.5-10.5	03/02/2015	8.5 - 10.5 ft	N			
O11	O11_S1_4.5-6.5	12/30/2010	4.5 - 6.5 ft	N			
O11	O11_S2_4.5-9.5	12/30/2010	4.5 - 9.5 ft	N			
O11	O11_S3_6.5-8.5	12/30/2010	6.5 - 8.5 ft	N			
O11	O11_S4_8.5-10.5	12/30/2010	8.5 - 10.5 ft	N			
O11	O11_S5_9.5-14.5	12/30/2010	9.5 - 14.5 ft	N			
O11	O11_S6_10.5-12.5	12/30/2010	10.5 - 12.5 ft	N			
O11	O11_S7_12.5-14.5	12/30/2010	12.5 - 14.5 ft	N			
O11	O11_S8_14.5-19.5	01/03/2011	14.5 - 19.5 ft	N			
O12	O12_S1_0.3-3.5	06/01/2010	0.3 - 3.5 ft	N	X		X
O12	O12_S10_18.5-20.5	06/02/2010	18.5 - 20.5 ft	N			
O12	O12_S11_20.5-22.5	06/02/2010	20.5 - 22.5 ft	N			
O12	O12_S12_22.5-24.5	06/02/2010	22.5 - 24.5 ft	N			
O12	O12_S2_5.2-8.5	06/02/2010	5.2 - 8.5 ft	N			
O12	O12_S3_5.2-6.5	06/02/2010	5.2 - 6.5 ft	N			
O12	O12_S4_6.5-8.5	06/02/2010	6.5 - 8.5 ft	N			
O12	O12_S5_8.5-10.5	06/02/2010	8.5 - 10.5 ft	N			
O12	O12_S6_10.5-12.5	06/02/2010	10.5 - 12.5 ft	N			
O12	O12_S7_12.5-14.5	06/02/2010	12.5 - 14.5 ft	N			
O12	O12_S8_14.5-16.5	06/02/2010	14.5 - 16.5 ft	N			
O12	O12_S9_16.5-18.5	06/02/2010	16.5 - 18.5 ft	N			
O13	O13_S1_0.4-4.5	06/04/2010	0.4 - 4.5 ft	N	X		X
O13	O13_S10_18.5-20.5	06/04/2010	18.5 - 20.5 ft	N			
O13	O13_S11_20.5-21.5	06/04/2010	20.5 - 21.5 ft	N			
O13	O13_S12_21.5-22.5	06/04/2010	21.5 - 22.5 ft	N			
O13	O13_S2_4.5-7.5	06/04/2010	4.5 - 7.5 ft	N			
O13	O13_S3_4.5-6.5	06/04/2010	4.5 - 6.5 ft	N			
O13	O13_S4_6.5-7.5	06/04/2010	6.5 - 7.5 ft	N			
O13	O13_S5_7.5-8.5	06/04/2010	7.5 - 8.5 ft	N			
O13	O13_S6_10.5-12.5	06/04/2010	10.5 - 12.5 ft	N			
O13	O13_S7_12.5-14.5	06/04/2010	12.5 - 14.5 ft	N			
O13	O13_S8_14.5-16.5	06/04/2010	14.5 - 16.5 ft	N			
O13	O13_S9_16.5-18.5	06/04/2010	16.5 - 18.5 ft	N			
O14	O14_S1_0.7-3.1	06/21/2010	0.7 - 3.1 ft	N	X		X
O14	O14_S10_20.7-22.7	06/22/2010	20.7 - 22.7 ft	N			
O14	O14_S2_6.7-8.7	06/21/2010	6.7 - 8.7 ft	N			
O14	O14_S3_8.7-10.7	06/21/2010	8.7 - 10.7 ft	N			
O14	O14_S4_10.7-12.7	06/21/2010	10.7 - 12.7 ft	N			
O14	O14_S5_3.1-13.0	06/21/2010	3.1 - 13 ft	N			
O14	O14_S6_12.7-14.7	06/21/2010	12.7 - 14.7 ft	N			
O14	O14_S7_14.7-16.7	06/21/2010	14.7 - 16.7 ft	N			
O14	O14_S8_16.7-18.7	06/21/2010	16.7 - 18.7 ft	N			
O14	O14_S9_18.7-20.7	06/22/2010	18.7 - 20.7 ft	N			
O15	O15_S1_0.4-5.0	06/21/2010	0.4 - 5 ft	N	X		X
O15	O15_S10_20-22	06/21/2010	20 - 22 ft	N			
O15	O15_S11_22-24	06/21/2010	22 - 24 ft	N			
O15	O15_S2_6-8	06/21/2010	6 - 8 ft	N			
O15	O15_S3_8-10	06/21/2010	8 - 10 ft	N			
O15	O15_S4_10-12	06/21/2010	10 - 12 ft	N			
O15	O15_S5_12-14	06/21/2010	12 - 14 ft	N			
O15	O15_S6_14-16	06/21/2010	14 - 16 ft	N			
O15	O15_S7_5-15	06/21/2010	5 - 15 ft	N			
O15	O15_S8_16-18	06/21/2010	16 - 18 ft	N			
O15	O15_S9_18-20	06/21/2010	18 - 20 ft	N			
O15A	O15A_S1_2-6.8	01/23/2015	2 - 6.8 ft	N			
O15A	O15A_S2_2.8-4.8	01/23/2015	2.8 - 4.8 ft	N			
O15A	O15A_S3_4.8-6.8	01/23/2015	4.8 - 6.8 ft	N			
O15A	O15A_S4_6.8-8.8	01/23/2015	6.8 - 8.8 ft	N			
O16	O16_S1_0.4-7.0	06/18/2010	0.4 - 7 ft	N			
O16	O16_S10_22-24	06/18/2010	22 - 24 ft	N			
O16	O16_S2_8-10	06/18/2010	8 - 10 ft	N			
O16	O16_S3_10-12	06/18/2010	10 - 12 ft	N			
O16	O16_S4_12-14	06/18/2010	12 - 14 ft	N			
O16	O16_S5_14-16	06/18/2010	14 - 16 ft	N			
O16	O16_S6_16-18	06/18/2010	16 - 18 ft	N			
O16	O16_S7_7-17	06/18/2010	7 - 17 ft	N			
O16	O16_S8_18-20	06/18/2010	18 - 20 ft	N			
O16	O16_S9_20-22	06/18/2010	20 - 22 ft	N			
O16A	O16A_S1_2.1-7	01/22/2015	2.1 - 7 ft	N			
O16A	O16A_S5_5-7	01/22/2015	5 - 7 ft	N			
O17	O17_S1_0.5-1.3	07/08/2010	0.5 - 1.3 ft	N			
O17	O17_S10_15.8-17.8	07/08/2010	15.8 - 17.8 ft	N			
O17	O17_S11_17.8-19.8	07/08/2010	17.8 - 19.8 ft	N			
O17	O17_S12_19.8-21.8	07/08/2010	19.8 - 21.8 ft	N			
O17	O17_S2_1.8-3.8	07/08/2010	1.8 - 3.8 ft	N			
O17	O17_S3_3.8-5.8	07/08/2010	3.8 - 5.8 ft	N			
O17	O17_S4_5.8-7.8	07/08/2010	5.8 - 7.8 ft	N			
O17	O17_S5_1.8-7.8	07/08/2010	1.8 - 7.8 ft	N			
O17	O17_S6_7.8-9.8	07/08/2010	7.8 - 9.8 ft	N			
O17	O17_S7_9.8-11.8	07/08/2010	9.8 - 11.8 ft	N			
O17	O17_S8_11.8-13.8	07/08/2010	11.8 - 13.8 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
O17	O17_S9_13.8-15.8	07/08/2010	13.8 - 15.8 ft	N			
O18	O18_S1_0.7-4.7	06/17/2010	0.7 - 4.7 ft	N	X		X
O18	O18_S10_18.7-20.7	06/18/2010	18.7 - 20.7 ft	N			
O18	O18_S11_20.7-22.7	06/18/2010	20.7 - 22.7 ft	N			
O18	O18_S2_4.7-6.7	06/17/2010	4.7 - 6.7 ft	N			
O18	O18_S3_6.7-8.7	06/17/2010	6.7 - 8.7 ft	N			
O18	O18_S4_8.7-10.7	06/18/2010	8.7 - 10.7 ft	N			
O18	O18_S5_10.7-12.7	06/18/2010	10.7 - 12.7 ft	N			
O18	O18_S6_11.7-14.7	06/18/2010	11.7 - 14.7 ft	N			
O18	O18_S7_4.7-14.7	06/18/2010	4.7 - 14.7 ft	N			
O18	O18_S8_14.7-16.7	06/18/2010	14.7 - 16.7 ft	N			
O18	O18_S9_16.7-18.7	06/18/2010	16.7 - 18.7 ft	N			
O19	O19_S1_3.9-4.9	11/20/2015	3.9 - 4.9 ft	N			
O19	O19_S2_4.9-6.9	11/20/2015	4.9 - 6.9 ft	N			
O19	O19_S3_6.9-8.9	11/20/2015	6.9 - 8.9 ft	N			
O19	O19_S4_8.9-10.9	11/20/2015	8.9 - 10.9 ft	N			
O5	O5_S1_0-1.2	11/24/2015	0.1 - 1.2 ft	N			X
O5	O5_S2_1.2-3.2	11/24/2015	1.2 - 3.2 ft	N			X
O5	O5_S3_3.2-5.2	11/24/2015	3.2 - 5.2 ft	N			
O5	O5_S4_5.2-7.2	11/24/2015	5.2 - 7.2 ft	N			
O6	O6_S1_0.0-1.5'	11/18/2015	0 - 1.5 ft	N			X
O6	O6_S2_1.5-3.5'	11/18/2015	1.5 - 3.5 ft	N			X
O6	O6_S3_3.5-5.5	11/18/2015	3.5 - 5.5 ft	N			
O6	O6_S4_5.5-7.5'	11/18/2015	5.5 - 7.5 ft	N			
O7	O7_S1_0.8-1.8	11/23/2015	0.8 - 1.8 ft	N			X
O7	O7_S2_1.8-3.8	11/23/2015	1.8 - 3.8 ft	N			X
O7	O7_S3_3.8-5.8	11/23/2015	3.8 - 5.8 ft	N			
O7	O7_S4_5.8-7.8	11/23/2015	5.8 - 7.8 ft	N			
O8	O8_S1_1.0-2.0	11/23/2015	1 - 2 ft	N			X
O8	O8_S2_2.0-4.0	11/23/2015	2 - 4 ft	N			
O8	O8_S3_4.0-6.0	11/23/2015	4 - 6 ft	N			
O8	O8_S4_6.0-8.0	11/23/2015	6 - 8 ft	N			
O9	O9_S1_0.5-6.0	03/02/2015	0.5 - 6 ft	N	X		X
O9	O9_S3_0.5-2.0	03/02/2015	0.5 - 2 ft	N	X		X
O9	O9_S4_4.0-6.0	03/02/2015	4 - 6 ft	N			
O9	O9_S5_6.0-8.0	03/02/2015	6 - 8 ft	N			
P10	P10_S1_0.9-3.8	06/16/2010	0.9 - 3.8 ft	N	X		X
P10	P10_S10_18-20	06/16/2010	18 - 20 ft	N			
P10	P10_S11_20-22	06/16/2010	20 - 22 ft	N			
P10	P10_S12_22-23.2	06/16/2010	22 - 23.2 ft	N			
P10	P10_S13_23.2-24	06/16/2010	23.2 - 24 ft	N			
P10	P10_S2_4-6	06/16/2010	4 - 6 ft	N			
P10	P10_S3_6-8	06/16/2010	6 - 8 ft	N			
P10	P10_S4_8-10	06/16/2010	8 - 10 ft	N			
P10	P10_S5_4-8.5	06/16/2010	4 - 8.5 ft	N			
P10	P10_S6_10-12	06/16/2010	10 - 12 ft	N			
P10	P10_S7_12-14	06/16/2010	12 - 14 ft	N			
P10	P10_S8_14-16	06/16/2010	14 - 16 ft	N			
P10	P10_S9_16-18	06/16/2010	16 - 18 ft	N			
P11	P11_S1_4.5-5.7	03/04/2015	4.5 - 5.7 ft	N			
P11	P11_S2_4.5-5.7	03/04/2015	4.5 - 5.7 ft	N			
P11	P11_S3_5.7-7.7	03/04/2015	5.7 - 7.7 ft	N			
P12	P12_S1_0.4-3.2	06/02/2010	0.4 - 3.2 ft	N			X
P12	P12_S10_19-21	06/02/2010	19 - 21 ft	N			
P12	P12_S11_21-23	06/02/2010	21 - 23 ft	N			
P12	P12_S12_23-25	06/02/2010	23 - 25 ft	N			
P12	P12_S2_5-7	06/02/2010	5 - 7 ft	N			
P12	P12_S3_7-9	06/02/2010	7 - 9 ft	N			
P12	P12_S4_5-9	06/02/2010	5 - 9 ft	N			
P12	P12_S5_9-11	06/02/2010	9 - 11 ft	N			
P12	P12_S6_11-13	06/02/2010	11 - 13 ft	N			
P12	P12_S7_13-15	06/02/2010	13 - 15 ft	N			
P12	P12_S8_15-17	06/02/2010	15 - 17 ft	N			
P12	P12_S9_17-19	06/02/2010	17 - 19 ft	N			
P13	P13_S1_0.5-2.0	06/21/2010	0.5 - 2 ft	N	X		X
P13	P13_S10_18.2-20.2	06/21/2010	18.2 - 20.2 ft	N			
P13	P13_S11_20.2-21.9	06/21/2010	20.2 - 21.9 ft	N			
P13	P13_S12_22.2-24.2	06/21/2010	22.2 - 24.2 ft	N			
P13	P13_S2_4.2-6.2	06/21/2010	4.2 - 6.2 ft	N			
P13	P13_S3_6.2-8.2	06/21/2010	6.2 - 8.2 ft	N			
P13	P13_S4_8.2-10.2	06/21/2010	8.2 - 10.2 ft	N			
P13	P13_S5_2.2-8.3	06/21/2010	2.2 - 8.3 ft	N			
P13	P13_S6_10.2-12.2	06/21/2010	10.2 - 12.2 ft	N			
P13	P13_S7_12.2-14.2	06/21/2010	12.2 - 14.2 ft	N			
P13	P13_S8_14.2-16.2	06/21/2010	14.2 - 16.2 ft	N			
P13	P13_S9_16.2-18.2	06/21/2010	16.2 - 18.2 ft	N			
P14	P14_S1_0.9-3.2	06/21/2010	0.9 - 3.2 ft	N	X		X
P14	P14_S10_20.3-22.3	06/21/2010	20.3 - 22.3 ft	N			
P14	P14_S11_20.3-22.3	06/21/2010	20.3 - 22.3 ft	FD			
P14	P14_S12_22.3-23	06/21/2010	22.3 - 23 ft	N			
P14	P14_S13_23-24.3	06/21/2010	23 - 24.3 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
P14	P14_S2_4.3-6.3	06/21/2010	4.3 - 6.3 ft	N			
P14	P14_S3_6.3-8.3	06/21/2010	6.3 - 8.3 ft	N			
P14	P14_S4_3.6-7.3	06/21/2010	3.6 - 7.3 ft	N			
P14	P14_S5_8.3-10.3	06/21/2010	8.3 - 10.3 ft	N			
P14	P14_S6_10.3-12.3	06/21/2010	10.3 - 12.3 ft	N			
P14	P14_S7_12.3-14.3	06/21/2010	12.3 - 14.3 ft	N			
P14	P14_S8_16.3-18.3	06/21/2010	16.3 - 18.3 ft	N			
P14	P14_S9_18.3-20.3	06/21/2010	18.3 - 20.3 ft	N			
P14A	P14a_S1_0.5-2.3	01/05/2011	0.5 - 2.3 ft	N	X		X
P14A	P14a_S2_4.4-5.4	01/05/2011	4.4 - 5.4 ft	N			
P14A	P14a_S2_4-8	01/05/2011	4 - 8 ft	N			
P14A	P14a_S3_8-13	01/05/2011	8 - 13 ft	N			
P15	P15_S1_0.8-3.1	06/18/2010	0.8 - 3.1 ft	N	X		X
P15	P15_S10_22.4-24.4	06/18/2010	22.4 - 24.4 ft	N			
P15	P15_S11_3.7-8.4	06/18/2010	3.7 - 8.4 ft	N			
P15	P15_S2_4.4-8.4	06/18/2010	4.4 - 8.4 ft	N			
P15	P15_S3_8.4-10.4	06/18/2010	8.4 - 10.4 ft	N			
P15	P15_S4_10.4-12.4	06/18/2010	10.4 - 12.4 ft	N			
P15	P15_S5_12.4-14.4	06/18/2010	12.4 - 14.4 ft	N			
P15	P15_S6_14.4-16.4	06/18/2010	14.4 - 16.4 ft	N			
P15	P15_S7_16.4-18.4	06/18/2010	16.4 - 18.4 ft	N			
P15	P15_S8_18.4-20.4	06/18/2010	18.4 - 20.4 ft	N			
P15	P15_S9_20.4-22.4	06/18/2010	20.4 - 22.4 ft	N			
P16	P16_S1_0.6-6.6	06/16/2010	0.6 - 6.6 ft	N	X		X
P16	P16_S10_20.6-22.6	06/16/2010	20.6 - 22.6 ft	N			
P16	P16_S2_6.6-8.6	06/16/2010	6.6 - 8.6 ft	N			
P16	P16_S3_8.6-10.6	06/16/2010	8.6 - 10.6 ft	N			
P16	P16_S4_10.6-12.6	06/16/2010	10.6 - 12.6 ft	N			
P16	P16_S5_12.6-14.6	06/16/2010	12.6 - 14.6 ft	N			
P16	P16_S6_14.6-16.6	06/16/2010	14.6 - 16.6 ft	N			
P16	P16_S7_6.6-16.6	06/16/2010	6.6 - 16.6 ft	N			
P16	P16_S8_16.6-18.6	06/16/2010	16.6 - 18.6 ft	N			
P16	P16_S9_18.6-20.6	06/16/2010	18.6 - 20.6 ft	N			
P17	P17_S1_0.6-2.3	07/06/2010	0.6 - 2.3 ft	N	X		X
P17	P17_S10_16.6-18.6	07/06/2010	16.6 - 18.6 ft	N			
P17	P17_S11_18.6-20.6	07/06/2010	18.6 - 20.6 ft	N			
P17	P17_S12_20.6-22.6	07/06/2010	20.6 - 22.6 ft	N			
P17	P17_S2_2.6-4.6	07/06/2010	2.6 - 4.6 ft	N			
P17	P17_S3_4.6-6.6	07/06/2010	4.6 - 6.6 ft	N			
P17	P17_S4_2.6-6.6	07/06/2010	2.6 - 6.6 ft	N			
P17	P17_S5_6.6-8.6	07/06/2010	6.6 - 8.6 ft	N			
P17	P17_S6_8.6-10.6	07/06/2010	8.6 - 10.6 ft	N			
P17	P17_S7_10.6-12.6	07/06/2010	10.6 - 12.6 ft	N			
P17	P17_S8_12.6-14.6	07/06/2010	12.6 - 14.6 ft	N			
P17	P17_S9_14.6-16.6	07/06/2010	14.6 - 16.6 ft	N			
P18	P18_S1_0.5-2.5	06/17/2010	0.5 - 2.5 ft	N	X		
P18	P18_S10_16.5-18.5	06/17/2010	16.5 - 18.5 ft	N			
P18	P18_S11_18.5-20.5	06/17/2010	18.5 - 20.5 ft	N			
P18	P18_S12_20.5-22.5	06/17/2010	20.5 - 22.5 ft	N			
P18	P18_S2_2.5-4.5	06/17/2010	2.5 - 4.5 ft	N			
P18	P18_S3_4.5-6.5	06/17/2010	4.5 - 6.5 ft	N			
P18	P18_S4_6.5-8.5	06/17/2010	6.5 - 8.5 ft	N			
P18	P18_S5_8.5-10.5	06/17/2010	8.5 - 10.5 ft	N			
P18	P18_S6_10.5-12.5	06/17/2010	10.5 - 12.5 ft	N			
P18	P18_S7_2.5-12.5	06/17/2010	2.5 - 12.5 ft	N			
P18	P18_S8_12.5-14.5	06/17/2010	12.5 - 14.5 ft	N			
P18	P18_S9_14.5-16.5	06/17/2010	14.5 - 16.5 ft	N			
P5	P5_S1_0-0.8	11/24/2015	0 - 0.8 ft	N			X
P5	P5_S2_0.8-2.8	11/24/2015	0.8 - 2.8 ft	N			X
P5	P5_S3_2.8-4.8	11/24/2015	2.8 - 4.8 ft	N			
P5	P5_S4_4.8-6.8	11/24/2015	4.8 - 6.8 ft	N			
P6	P6_S1_1-6	01/04/2011	1 - 6 ft	N			X
P6	P6_S10_19-21	01/04/2011	19 - 21 ft	N			
P6	P6_S11_21-23	01/04/2011	21 - 23 ft	N			
P6	P6_S12_23-25	01/04/2011	23 - 25 ft	N			
P6	P6_S13_25-27	01/04/2011	25 - 27 ft	N			
P6	P6_S2_6-7	01/04/2011	6 - 7 ft	N			
P6	P6_S3_7-9	01/04/2011	7 - 9 ft	N			
P6	P6_S4_9-11	01/04/2011	9 - 11 ft	N			
P6	P6_S5_11-13	01/04/2011	11 - 13 ft	N			
P6	P6_S6_13-15	01/04/2011	13 - 15 ft	N			
P6	P6_S7_6-16	01/04/2011	6 - 16 ft	N			
P6	P6_S8_15-17	01/04/2011	15 - 17 ft	N			
P6	P6_S9_17-19	01/04/2011	17 - 19 ft	N			
P6	X6_S9_17-19	01/04/2011	17 - 19 ft	FD			
P7	P7_S1_0.0-1.4	11/23/2015	0 - 1.4 ft	N			X
P7	P7_S2_1.4-3.4	11/23/2015	1.4 - 3.4 ft	N			X
P7	P7_S3_3.4-5.4	11/23/2015	3.4 - 5.4 ft	N			
P7	P7_S4_5.4-7.4	11/23/2015	5.4 - 7.4 ft	N			
P8	P8_S1_0.7-1.7	11/23/2015	0.7 - 1.7 ft	N			X
P8	P8_S2_1.7-3.7	11/23/2015	1.7 - 3.7 ft	N			X

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
P8	P8_S3_3.7-5.7	11/23/2015	3.7 - 5.7 ft	N			
P8	P8_S4_5.7-7.7	11/23/2015	5.7 - 7.7 ft	N			
P9	P9_S1_0.7-3.5	06/15/2010	0.7 - 3.5 ft	N	X		X
P9	P9_S10_17.8-19.8	06/15/2010	17.8 - 19.8 ft	N			
P9	P9_S11_19.8-21.8	06/15/2010	19.8 - 21.8 ft	N			
P9	P9_S12_21.8-23.5	06/15/2010	21.8 - 23.5 ft	N			
P9	P9_S13_23.5-23.8	06/15/2010	23.5 - 23.8 ft	N			
P9	P9_S2_3.8-5.8	06/15/2010	3.8 - 5.8 ft	N			
P9	P9_S3_5.8-7.8	06/15/2010	5.8 - 7.8 ft	N			
P9	P9_S4_7.8-9.8	06/15/2010	7.8 - 9.8 ft	N			
P9	P9_S5_9.8-11.8	06/15/2010	9.8 - 11.8 ft	N			
P9	P9_S6_11.8-13.8	06/15/2010	11.8 - 13.8 ft	N			
P9	P9_S7_3.8-9.5	06/15/2010	3.8 - 9.5 ft	N			
P9	P9_S8_13.8-15.8	06/15/2010	13.8 - 15.8 ft	N			
P9	P9_S9_15.8-17.8	06/15/2010	15.8 - 17.8 ft	N			
Q10	Q10_S1_1-3	06/16/2010	1 - 3 ft	N			X
Q10	Q10_S10_17.5-19.5	06/17/2010	17.5 - 19.5 ft	N			
Q10	Q10_S11_19.5-21.5	06/17/2010	19.5 - 21.5 ft	N			
Q10	Q10_S12_21.5-22.5	06/17/2010	21.5 - 22.5 ft	N			
Q10	Q10_S13_22.5-23.5	06/17/2010	22.5 - 23.5 ft	N			
Q10	Q10_S2_3.5-4.5	06/16/2010	3.5 - 4.5 ft	N			
Q10	Q10_S3_5.5-7.5	06/16/2010	5.5 - 7.5 ft	N			
Q10	Q10_S4_7.5-9.5	06/16/2010	7.5 - 9.5 ft	N			
Q10	Q10_S5_3.5-9.3	06/16/2010	3.5 - 9.3 ft	N			
Q10	Q10_S6_9.5-11.5	06/17/2010	9.5 - 11.5 ft	N			
Q10	Q10_S7_11.5-13.5	06/17/2010	11.5 - 13.5 ft	N			
Q10	Q10_S8_13.5-15.5	06/17/2010	13.5 - 15.5 ft	N			
Q10	Q10_S9_15.5-17.5	06/17/2010	15.5 - 17.5 ft	N			
Q11	Q11_S1_0.2-5.7	02/07/2015	0.2 - 5.7 ft	N	X		X
Q11	Q11_S2_0.2-1.7	02/07/2015	0.2 - 1.7 ft	N	X		X
Q11	Q11_S3_1.7-3.7	02/07/2015	1.7 - 3.7 ft	N			X
Q11	Q11_S4_3.7-5.7	02/07/2015	3.7 - 5.7 ft	N			
Q11	Q11_S5_5.7-7.7	02/07/2015	5.7 - 7.7 ft	N			
Q12	Q12_S1_2.0-5.7	03/02/2015	2 - 5.7 ft	N			
Q12	Q12_S2_2.0-3.7	03/02/2015	2 - 3.7 ft	N			
Q12	Q12_S3_3.7-5.7	03/02/2015	3.7 - 5.7 ft	N			
Q12	Q12_S4_5.7-7.7	03/02/2015	5.7 - 7.7 ft	N			
Q13	Q13_S1_0.5-6.5	06/15/2010	0.5 - 6.5 ft	N	X		X
Q13	Q13_S10_20.0-22.0	06/15/2010	20 - 22 ft	N			
Q13	Q13_S11_22-24	06/15/2010	22 - 24 ft	N			
Q13	Q13_S2_6.5-8.0	06/15/2010	6.5 - 8 ft	N			
Q13	Q13_S3_8.0-10.0	06/15/2010	8 - 10 ft	N			
Q13	Q13_S4_10.0-12.0	06/15/2010	10 - 12 ft	N			
Q13	Q13_S5_12.0-14.0	06/15/2010	12 - 14 ft	N			
Q13	Q13_S6_14.0-16.0	06/15/2010	14 - 16 ft	N			
Q13	Q13_S7_6.5-16.0	06/15/2010	6.5 - 16 ft	N			
Q13	Q13_S8_16.0-18.0	06/15/2010	16 - 18 ft	N			
Q13	Q13_S9_18.0-20.0	06/15/2010	18 - 20 ft	N			
Q14	Q14_S1_0.5-8.0	06/15/2010	0.5 - 8 ft	N	X		X
Q14	Q14_S2_8.0-10.0	06/15/2010	8 - 10 ft	N			
Q14	Q14_S3_10-12	06/16/2010	10 - 12 ft	N			
Q14	Q14_S4_12-14	06/16/2010	12 - 14 ft	N			
Q14	Q14_S5_14-16	06/16/2010	14 - 16 ft	N			
Q14	Q14_S6_16-18	06/16/2010	16 - 18 ft	N			
Q14	Q14_S7_8-18	06/16/2010	8 - 18 ft	N			
Q14	Q14_S8_18-20	06/16/2010	18 - 20 ft	N			
Q14	Q14_S9_20-22	06/16/2010	20 - 22 ft	N			
Q15	Q15_S1_0.5-7.5	06/16/2010	0.5 - 7.5 ft	N			X
Q15	Q15_S10_22-24	06/17/2010	22 - 24 ft	N			
Q15	Q15_S11_24-26	06/17/2010	24 - 26 ft	N			
Q15	Q15_S2_8-10	06/17/2010	8 - 10 ft	N			
Q15	Q15_S3_10-12	06/17/2010	10 - 12 ft	N			
Q15	Q15_S4_12-14	06/17/2010	12 - 14 ft	N			
Q15	Q15_S5_14-16	06/17/2010	14 - 16 ft	N			
Q15	Q15_S6_16-18	06/17/2010	16 - 18 ft	N			
Q15	Q15_S7_8-18	06/17/2010	8 - 18 ft	N			
Q15	Q15_S8_18-20	06/17/2010	18 - 20 ft	N			
Q15	Q15_S9_20-22	06/17/2010	20 - 22 ft	N			
Q16	Q16_S1_1.0-6.0	02/26/2015	1 - 6 ft	N			X
Q16	Q16_S2_1-2	02/26/2015	1 - 2 ft	N			X
Q16	Q16_S3_2-4	02/26/2015	2 - 4 ft	N			
Q16	Q16_S4_4-6	02/26/2015	4 - 6 ft	N			
Q16	Q16_S5_6-8	02/26/2015	6 - 8 ft	N			
Q17	Q17_S1_1.1-2.1	11/16/2015	1.1 - 2.1 ft	N			X
Q17	Q17_S2_2.1-4.1	11/16/2015	2.1 - 4.1 ft	N			
Q17	Q17_S3_4.1-6.1	11/16/2015	4.1 - 6.1 ft	N			
Q17	Q17_S4_6.1-8.1	11/16/2015	6.1 - 8.1 ft	N			
Q5	Q5_S1_0.4-4.4	02/03/2015	0.4 - 4.4 ft	N			X
Q5	Q5_S2_4.4-6.4	02/03/2015	4.4 - 6.4 ft	N			
Q5	Q5_S3_0.4-2.4	02/03/2015	0.4 - 2.4 ft	N			X
Q5	Q5_S4_2.4-4.4	02/03/2015	2.4 - 4.4 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
Q5	Q5_S5_4.4-6.4	02/03/2015	4.4 - 6.4 ft	N			
Q6	Q6_S1_0.0-0.6'	11/18/2015	0 - 0.6 ft	N			X
Q6	Q6_S2_0.6-2.6'	11/18/2015	0.6 - 2.6 ft	N			X
Q6	Q6_S3_2.6-4.6'	11/18/2015	2.6 - 4.6 ft	N			
Q6	Q6_S4_4.6-6.6'	11/18/2015	4.6 - 6.6 ft	N			
Q7	Q7_S1_0.7-4.9	02/03/2015	0.7 - 4.9 ft	N			X
Q7	Q7_S2_4.9-6.9	02/03/2015	4.9 - 6.9 ft	N			
Q7	Q7_S3_0.9-2.9	02/03/2015	0.9 - 2.9 ft	N			X
Q7	Q7_S4_2.9-4.9	02/03/2015	2.9 - 4.9 ft	N			
Q7	Q7_S5_4.9-6.9	02/03/2015	4.9 - 6.9 ft	N			
Q8	Q8_S1_0.0-1.3	11/23/2015	0 - 1.3 ft	N			X
Q8	Q8_S2_1.3-3.3	11/23/2015	1.3 - 3.3 ft	N			X
Q8	Q8_S3_3.3-5.3	11/23/2015	3.3 - 5.3 ft	N			
Q8	Q8_S4_5.3-7.3	11/23/2015	5.3 - 7.3 ft	N			
Q9	Q9_S1_0.7-1.3	06/14/2010	0.7 - 1.3 ft	N			X
Q9	Q9_S10_15.4-17.4	06/15/2010	15.4 - 17.4 ft	N			
Q9	Q9_S11_17.4-19.4	06/15/2010	17.4 - 19.4 ft	N			
Q9	Q9_S12_19.4-21.9	06/15/2010	19.4 - 21.9 ft	N			
Q9	Q9_S13_21.9-23.4	06/15/2010	21.9 - 23.4 ft	N			
Q9	Q9_S2_1.4-3.4	06/14/2010	1.4 - 3.4 ft	N			X
Q9	Q9_S3_3.4-5.4	06/14/2010	3.4 - 5.4 ft	N			
Q9	Q9_S4_5.4-7.4	06/14/2010	5.4 - 7.4 ft	N			
Q9	Q9_S5_7.4-9.4	06/14/2010	7.4 - 9.4 ft	N			
Q9	Q9_S6_1.5-8.8	06/14/2010	1.5 - 8.8 ft	N			X
Q9	Q9_S7_9.4-11.4	06/15/2010	9.4 - 11.4 ft	N			
Q9	Q9_S8_11.4-13.4	06/15/2010	11.4 - 13.4 ft	N			
Q9	Q9_S9_13.4-15.4	06/15/2010	13.4 - 15.4 ft	N			
R10	R10_S1_1.0-5.2	03/02/2015	1 - 5.2 ft	N			X
R10	R10_S2_1.0-3.2	03/02/2015	1 - 3.2 ft	N			X
R10	R10_S3_3.2-5.2	03/02/2015	3.2 - 5.2 ft	N			
R10	R10_S4_5.2-7.2	03/02/2015	5.2 - 7.2 ft	N			
R11	R11_S2_7-9	01/04/2011	7 - 9 ft	N			
R11	R11_S3_9-11	01/04/2011	9 - 11 ft	N			
R11	R11_S4_11-13	01/04/2011	11 - 13 ft	N			
R11	R11_S5_13-15	01/04/2011	13 - 15 ft	N			
R11	R11_S6_15-17	01/04/2011	15 - 17 ft	N			
R11	R11_S6_17-19	01/05/2011	17 - 19 ft	N			
R11	R11_S6_7-17	01/04/2011	7 - 17 ft	N			
R11	R11_S7_19-20	01/05/2011	19 - 20 ft	N			
R11	R11_S8_20-23	01/05/2011	20 - 23 ft	N			
R11	Z11_S6_15-17	01/04/2011	15 - 17 ft	FD			
R11	Z11_S7_19-20	01/05/2011	19 - 20 ft	FD			
R11A	R11A_S1_0-10.1	02/12/2015	0 - 10.1 ft	N	X		X
R12	R12_S1_0-1.4	11/24/2015	0 - 1.4 ft	N			X
R12	R12_S2_1.4-3.4	11/24/2015	1.4 - 3.4 ft	N			X
R12	R12_S3_3.4-5.4	11/24/2015	3.4 - 5.4 ft	N			
R12	R12_S4_5.4-7.4	11/24/2015	5.4 - 7.4 ft	N			
R13	R13_S1_1.5-7.5	07/06/2010	1.5 - 7.5 ft	N			X
R13	R13_S2_9.5-11.5	07/06/2010	9.5 - 11.5 ft	N			
R13	R13_S3_11.5-13.5	07/06/2010	11.5 - 13.5 ft	N			
R13	R13_S4_13.5-15.5	07/06/2010	13.5 - 15.5 ft	N			
R13	R13_S5_15.5-17.5	07/06/2010	15.5 - 17.5 ft	N			
R13	R13_S6_7.5-17.5	07/06/2010	7.5 - 17.5 ft	N			
R13	R13_S7_17.5-19.5	07/06/2010	17.5 - 19.5 ft	N			
R13	R13_S8_19.5-21.5	07/06/2010	19.5 - 21.5 ft	N			
R13	R13_S9_21.5-23.5	07/06/2010	21.5 - 23.5 ft	N			
R14	R14_S1_1.5-7.5	06/16/2010	1.5 - 7.5 ft	N			X
R14	R14_S10_21.5-23.5	06/16/2010	21.5 - 23.5 ft	N			
R14	R14_S2_7.5-9.5	06/16/2010	7.5 - 9.5 ft	N			
R14	R14_S3_9.5-11.5	06/16/2010	9.5 - 11.5 ft	N			
R14	R14_S4_11.5-13.5	06/16/2010	11.5 - 13.5 ft	N			
R14	R14_S5_13.5-15.5	06/16/2010	13.5 - 15.5 ft	N			
R14	R14_S6_15.5-17.5	06/16/2010	15.5 - 17.5 ft	N			
R14	R14_S7_7.5-17.5	06/16/2010	7.5 - 17.5 ft	N			
R14	R14_S8_17.5-19.5	06/16/2010	17.5 - 19.5 ft	N			
R14	R14_S9_19.5-21.5	06/16/2010	19.5 - 21.5 ft	N			
R15	R15_S1_0-6.5	06/14/2010	0 - 6.5 ft	N	X		X
R15	R15_S10_19.5-21.5	06/14/2010	19.5 - 21.5 ft	N			
R15	R15_S11_21.5-23.5	06/14/2010	21.5 - 23.5 ft	N			
R15	R15_S12_23.5-25.5	06/14/2010	23.5 - 25.5 ft	N			
R15	R15_S2_6.5-7.5	06/14/2010	6.5 - 7.5 ft	N			
R15	R15_S3_7.5-9.5	06/14/2010	7.5 - 9.5 ft	N			
R15	R15_S4_9.5-11.5	06/14/2010	9.5 - 11.5 ft	N			
R15	R15_S5_11.5-13.5	06/14/2010	11.5 - 13.5 ft	N			
R15	R15_S6_13.5-15.5	06/14/2010	13.5 - 15.5 ft	N			
R15	R15_S7_15.5-17.5	06/14/2010	15.5 - 17.5 ft	N			
R15	R15_S8_6.5-16.5	06/14/2010	6.5 - 16.5 ft	N			
R15	R15_S9_17.5-19.5	06/14/2010	17.5 - 19.5 ft	N			
R16	R16_S2_2.7-3.7	12/08/2015	2.7 - 3.7 ft	N			
R16	R16_S3_3.7-5.7	12/08/2015	3.7 - 5.7 ft	N			
R16	R16_S4_5.7-7.7	12/08/2015	5.7 - 7.7 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
R17	R17_S1_1-6	01/22/2015	1 - 6 ft	N			X
R17	R17_S2_1-2	01/22/2015	1 - 2 ft	N			X
R17	R17_S3_2-4	01/22/2015	2 - 4 ft	N			
R17	R17_S4_4-6	01/22/2015	4 - 6 ft	N			
R17	R17_S5_6-8	01/22/2015	6 - 8 ft	N			
R18	R18_S1_0.5-6.0	01/22/2015	0.5 - 6 ft	N	X		
R18	R18_S2_0.5-6.0	01/22/2015	0.5 - 6 ft	N	X		
R18	R18_S3_2-4	01/22/2015	2 - 4 ft	N			
R5	R5_S1_0-6	06/10/2010	0 - 6 ft	N			X
R5	R5_S10_20-22	06/10/2010	20 - 22 ft	N			
R5	R5_S11_22-24	06/10/2010	22 - 24 ft	N			
R5	R5_S12_24-26	06/10/2010	24 - 26 ft	N			
R5	R5_S2_6-8	06/10/2010	6 - 8 ft	N			
R5	R5_S3_8-10	06/10/2010	8 - 10 ft	N			
R5	R5_S4_10-12	06/10/2010	10 - 12 ft	N			
R5	R5_S5_12-14	06/10/2010	12 - 14 ft	N			
R5	R5_S6_14-16	06/10/2010	14 - 16 ft	N			
R5	R5_S7_6-16	06/10/2010	6 - 16 ft	N			
R5	R5_S8_16-18	06/10/2010	16 - 18 ft	N			
R5	R5_S9_18-20	06/10/2010	18 - 20 ft	N			
R6	R6_S1_0-4.4	06/09/2010	0 - 4.4 ft	N			X
R6	R6_S10_18.4-20.4	06/09/2010	18.4 - 20.4 ft	N			
R6	R6_S11_20.4-22.4	06/09/2010	20.4 - 22.4 ft	N			
R6	R6_S2_4.4-6.4	06/09/2010	4.4 - 6.4 ft	N			
R6	R6_S3_6.4-8.4	06/09/2010	6.4 - 8.4 ft	N			
R6	R6_S4_8.4-10.4	06/09/2010	8.4 - 10.4 ft	N			
R6	R6_S5_10.4-12.4	06/09/2010	10.4 - 12.4 ft	N			
R6	R6_S6_12.4-14.4	06/09/2010	12.4 - 14.4 ft	N			
R6	R6_S7_4.4-14.4	06/09/2010	4.4 - 14.4 ft	N			
R6	R6_S8_14.4-16.4	06/09/2010	14.4 - 16.4 ft	N			
R6	R6_S9_16.4-18.4	06/09/2010	16.4 - 18.4 ft	N			
R7	R7_S1_0.0-0.6	11/23/2015	0 - 0.6 ft	N			X
R7	R7_S2_0.6-2.6	11/23/2015	0.6 - 2.6 ft	N			X
R7	R7_S3_2.6-4.6	11/23/2015	2.6 - 4.6 ft	N			
R7	R7_S4_4.6-6.6	11/23/2015	4.6 - 6.6 ft	N			
R8	R8_S2_1.0-3.0	11/23/2015	1 - 3 ft	N			X
R8	R8_S3_3.0-5.0	11/23/2015	3 - 5 ft	N			
R8	R8_S4_5.0-7.0	11/23/2015	5 - 7 ft	N			
R9	R9_S1_0.4-5.2	02/07/2015	0.4 - 5.2 ft	N			X
R9	R9_S2_5.2-7.2	02/07/2015	5.2 - 7.2 ft	N			
R9	R9_S4_1.2-3.2	02/07/2015	1.2 - 3.2 ft	N			X
R9	R9_S5_3.2-5.2	02/07/2015	3.2 - 5.2 ft	N			
R9	R9_S6_5.2-7.2	02/07/2015	5.2 - 7.2 ft	N			
S11	S11_S1_0-0.9	11/24/2015	0 - 0.9 ft	N			X
S11	S11_S2_0.9-2.9	11/24/2015	0.9 - 2.9 ft	N			X
S11	S11_S3_2.9-4.9	11/24/2015	2.9 - 4.9 ft	N			
S11	S11_S4_4.9-6.9	11/24/2015	4.9 - 6.9 ft	N			
S12	S12_S1_0.3-5.3	02/07/2015	0.3 - 5.3 ft	N			X
S12	S12_S2_0.3-1.3	02/07/2015	0.3 - 1.3 ft	N			X
S12	S12_S3_1.3-3.3	02/07/2015	1.3 - 3.3 ft	N			X
S12	S12_S4_3.3-5.3	02/07/2015	3.3 - 5.3 ft	N			
S12	S12_S5_5.3-7.3	02/07/2015	5.3 - 7.3 ft	N			
S13	S13_S1_0.4-5.5	06/14/2010	0.4 - 5.5 ft	N			X
S13	S13_S10_20-22	06/14/2010	20 - 22 ft	N			
S13	S13_S11_22-24	06/14/2010	22 - 24 ft	N			
S13	S13_S2_6-8	06/14/2010	6 - 8 ft	N			
S13	S13_S3_8-10	06/14/2010	8 - 10 ft	N			
S13	S13_S4_10-12	06/14/2010	10 - 12 ft	N			
S13	S13_S5_12-14	06/14/2010	12 - 14 ft	N			
S13	S13_S6_14-16	06/14/2010	14 - 16 ft	N			
S13	S13_S7_5.5-16	06/14/2010	5.5 - 16 ft	N			
S13	S13_S8_16-18	06/14/2010	16 - 18 ft	N			
S13	S13_S9_18-20	06/14/2010	18 - 20 ft	N			
S14	S14_S10_21.2-23.2	06/15/2010	21.2 - 23.2 ft	N			
S14	S14_S11_23.2-25.2	06/15/2010	23.2 - 25.2 ft	N			
S14	S14_S11_25.2-27.2	06/15/2010	25.2 - 27.2 ft	N			
S14	S14_S6_15.2-17.2	06/15/2010	15.2 - 17.2 ft	N			
S14	S14_S7_7.2-17.2	06/15/2010	7.2 - 17.2 ft	N			
S14	S14_S8_17.2-19.2	06/15/2010	17.2 - 19.2 ft	N			
S14	S14_S9_19.2-21.2	06/15/2010	19.2 - 21.2 ft	N			
S14A	S14A_S4_15-20	01/04/2011	15 - 20 ft	N			
S14A	S14A_S5_20-23.5	01/04/2011	20 - 23.5 ft	N			
S14A	S14A_S6_23.5-27	01/04/2011	23.5 - 27 ft	N			
S15	S15_S1_0-6.3	06/11/2010	0 - 6.3 ft	N	X		X
S15	S15_S10_19.3-21.3	06/14/2010	19.3 - 21.3 ft	N			
S15	S15_S11_21.3-23.3	06/14/2010	21.3 - 23.3 ft	N			
S15	S15_S12_23.3-25.3	06/14/2010	23.3 - 25.3 ft	N			
S15	S15_S2_6.3-7.3	06/11/2010	6.3 - 7.3 ft	N			
S15	S15_S3_7.3-9.3	06/11/2010	7.3 - 9.3 ft	N			
S15	S15_S4_9.3-11.3	06/11/2010	9.3 - 11.3 ft	N			
S15	S15_S5_11.3-13.3	06/11/2010	11.3 - 13.3 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
S15	S15_S6_13.3-15.3	06/11/2010	13.3 - 15.3 ft	N			
S15	S15_S7_15.3-17.3	06/14/2010	15.3 - 17.3 ft	N			
S15	S15_S8_6.3-16.3	06/14/2010	6.3 - 16.3 ft	N			
S15	S15_S9_17.3-19.3	06/14/2010	17.3 - 19.3 ft	N			
S15A	S15A_S1_0.3-5.3	02/07/2015	0.3 - 5.3 ft	N			X
S15A	S15A_S2_0.3-1.3	02/07/2015	0.3 - 1.3 ft	N			X
S15A	S15A_S3_1.3-3.3	02/07/2015	1.3 - 3.3 ft	N			X
S15A	S15A_S4_3.3-5.3	02/07/2015	3.3 - 5.3 ft	N			
S15A	S15A_S5_5.3-7.3	02/07/2015	5.3 - 7.3 ft	N			
S16	S16_S1_0.0-1.4	11/25/2015	0 - 1.4 ft	N			X
S16	S16_S2_1.4-3.4	11/25/2015	1.4 - 3.4 ft	N			X
S16	S16_S3_3.4-5.4	11/25/2015	3.4 - 5.4 ft	N			
S16	S16_S4_5.4-7.4	11/25/2015	5.4 - 7.4 ft	N			
S17	S17_S1_0.6-1.6	11/16/2015	0.6 - 1.6 ft	N			X
S17	S17_S2_1.6-3.6	11/16/2015	1.6 - 3.6 ft	N			X
S17	S17_S3_3.6-5.6	11/16/2015	3.6 - 5.6 ft	N			
S17	S17_S4_5.6-7.6	11/16/2015	5.6 - 7.6 ft	N			
S18	S18_S1_0.5-1.7	12/16/2010	0.5 - 1.7 ft	N			
S18	S18_S2_3.5-5.5	12/16/2010	3.5 - 5.5 ft	N			
S18	S18_S3_3.5-13.5	12/16/2010	3.5 - 13.5 ft	N			
S18	S18_S3_5.5-7.5	12/16/2010	5.5 - 7.5 ft	N			
S18	S18_S4_7.5-9.5	12/16/2010	7.5 - 9.5 ft	N			
S18	S18_S5_9.5-11.5	12/16/2010	9.5 - 11.5 ft	N			
S18	S18_S6_11.5-13.5	12/16/2010	11.5 - 13.5 ft	N			
S18	S18_S7_13.5-15.5	12/16/2010	13.5 - 15.5 ft	N			
S18	S18_S8_15.5-17.5	12/16/2010	15.5 - 17.5 ft	N			
S18	S18_S9_17.5-19.5	12/16/2010	17.5 - 19.5 ft	N			
T11	T11_S1_0.5-4.5	02/07/2015	0.5 - 4.5 ft	N			X
T11	T11_S2_0.5-2.5	02/07/2015	0.5 - 2.5 ft	N			X
T12	T12_S1_0-0.5	11/24/2015	0 - 0.5 ft	N			X
T12	T12_S2_0.5-2.5	11/24/2015	0.5 - 2.5 ft	N			X
T12	T12_S3_2.5-4.5	11/24/2015	2.5 - 4.5 ft	N			
T12	T12_S4_4.5-6.5	11/24/2015	4.5 - 6.5 ft	N			
T13	T13_S1_0-0.6	11/24/2015	0 - 0.6 ft	N			X
T13	T13_S2_0.6-2.6	11/24/2015	0.6 - 2.6 ft	N			X
T13	T13_S3_2.6-4.6	11/24/2015	2.6 - 4.6 ft	N			
T13	T13_S4_4.6-6.6	11/24/2015	4.6 - 6.6 ft	N			
T14	T14_S1_1-2.3	12/16/2010	1 - 2.3 ft	N			X
T14	T14_S10_13-15	12/16/2010	13 - 15 ft	N			
T14	T14_S11_15-17	12/16/2010	15 - 17 ft	N			
T14	T14_S12_17-19	12/16/2010	17 - 19 ft	N			
T14	T14_S13_15-20	12/16/2010	15 - 20 ft	N			
T14	T14_S2_1-5	12/16/2010	1 - 5 ft	N			X
T14	T14_S3_3.5-5.0	12/16/2010	3.5 - 5 ft	N			
T14	T14_S4_5-7	12/16/2010	5 - 7 ft	N			
T14	T14_S5_7-9	12/16/2010	7 - 9 ft	N			
T14	T14_S6_9-11	12/16/2010	9 - 11 ft	N			
T14	T14_S7_5-10	12/16/2010	5 - 10 ft	N			
T14	T14_S8_11-13	12/16/2010	11 - 13 ft	N			
T14	T14_S9_10-15	12/16/2010	10 - 15 ft	N			
T15	T15_S1_1-5	12/16/2010	1 - 5 ft	N			X
T15	T15_S10_17-19	12/16/2010	17 - 19 ft	N			
T15	T15_S2_5-7	12/16/2010	5 - 7 ft	N			
T15	T15_S3_7-9	12/16/2010	7 - 9 ft	N			
T15	T15_S4_5-10	12/16/2010	5 - 10 ft	N			
T15	T15_S5_9-11	12/16/2010	9 - 11 ft	N			
T15	T15_S6_11-13	12/16/2010	11 - 13 ft	N			
T15	T15_S7_10-15	12/16/2010	10 - 15 ft	N			
T15	T15_S8_13-15	12/16/2010	13 - 15 ft	N			
T15	T15_S9_15-17	12/16/2010	15 - 17 ft	N			
T16	T16_S1_0.0-1.1	11/25/2015	0 - 1.1 ft	N			X
T16	T16_S2_1.1-3.1	11/25/2015	1.1 - 3.1 ft	N			X
T16	T16_S3_3.1-5.1	11/25/2015	3.1 - 5.1 ft	N			
T16	T16_S4_5.1-7.1	11/25/2015	5.1 - 7.1 ft	N			
T17	T17_S1_0-5.3	01/22/2015	0 - 5.3 ft	N			X
T17	T17_S2_0-1.3	01/22/2015	0 - 1.3 ft	N			X
T17	T17_S3_1.3-3.3	01/22/2015	1.3 - 3.3 ft	N			X
T17	T17_S4_3.3-5.3	01/22/2015	3.3 - 5.3 ft	N			
T17	T17_S5_5.3-7.3	01/22/2015	5.3 - 7.3 ft	N			
U11	U11_S1_0-2.1	11/24/2015	0 - 2.1 ft	N			X
U11	U11_S2_2.1-4.1	11/24/2015	2.1 - 4.1 ft	N			
U11	U11_S3_4.1-6.1	11/24/2015	4.1 - 6.1 ft	N			
U12	U12_S1_0.5-4.5	12/29/2010	0.5 - 4.5 ft	N			X
U12	U12_S10_20-23	12/29/2010	20 - 23 ft	N			
U12	U12_S11_23-26	12/29/2010	23 - 26 ft	N			
U12	U12_S2_4.5-6.0	12/29/2010	4.5 - 6 ft	N			
U12	U12_S3_6-8	12/29/2010	6 - 8 ft	N			
U12	U12_S4_8-10	12/29/2010	8 - 10 ft	N			
U12	U12_S5_10-12	12/29/2010	10 - 12 ft	N			
U12	U12_S6_12-14	12/29/2010	12 - 14 ft	N			
U12	U12_S6_4.5-14.5	12/29/2010	4.5 - 14.5 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
U12	U12_S7_14-16	12/29/2010	14 - 16 ft	N			
U12	U12_S8_16-18	12/29/2010	16 - 18 ft	N			
U12	U12_S9_18-20	12/29/2010	18 - 20 ft	N			
U12	Z12_S1_0.5-4.5	12/29/2010	0.5 - 4.5 ft	FD			X
U13	U13_S1_0.0-2.4	11/24/2015	0 - 2.4 ft	N			X
U13	U13_S2_2.4-4.4	11/24/2015	2.4 - 4.4 ft	N			
U13	U13_S3_4.4-6.4	11/24/2015	4.4 - 6.4 ft	N			
U13	Z13_S3_4.4-6.4	11/24/2015	4.4 - 6.4 ft	FD			
U14	U14_S1_0.5-1.5	01/10/2011	0.5 - 1.5 ft	N			X
U14	U14_S2_3-5	01/11/2011	3 - 5 ft	N			
U14	U14_S3_5-7	01/11/2011	5 - 7 ft	N			
U14	U14_S4_7-9	01/11/2011	7 - 9 ft	N			
U14	U14_S5_9-11	01/11/2011	9 - 11 ft	N			
U14	U14_S6_11-13	01/11/2011	11 - 13 ft	N			
U14	X14_S3_5-7	01/11/2011	5 - 7 ft	FD			
U15	U15_S5_9-11	12/16/2010	9 - 11 ft	N			
U15	U15_S6_11-13	12/16/2010	11 - 13 ft	N			
U15A	U15A_S2_4.8-10.8	02/07/2015	4.8 - 10.8 ft	N			
U16	U16_S1_0.5-1.5	01/11/2011	0.5 - 1.5 ft	N			X
U16	U16_S2_3-5	01/11/2011	3 - 5 ft	N			
U16	U16_S3_5-7	01/11/2011	5 - 7 ft	N			
U16	U16_S4_7-9	01/11/2011	7 - 9 ft	N			
U16	U16_S5_9-11	01/11/2011	9 - 11 ft	N			
U16	U16_S6_11-13	01/11/2011	11 - 13 ft	N			
U16	X16_S3_5-7	01/11/2011	5 - 7 ft	FD			
U17	U17_S1_0-1.2	11/16/2015	0 - 1.2 ft	N			X
U17	U17_S2_1.2-3.2	11/16/2015	1.2 - 3.2 ft	N			X
U17	U17_S3_3.2-5.2	11/16/2015	3.2 - 5.2 ft	N			
U17	U17_S4_5.2-7.2	11/16/2015	5.2 - 7.2 ft	N			
U18	U18_S1_1.0-5.1	01/22/2015	1 - 5.1 ft	N			
U18	U18_S2_1.1-3.1	01/22/2015	1.1 - 3.1 ft	N			
V11	V11_S1_0-4	01/24/2015	0 - 4 ft	N			X
V11	V11_S2_0-2	01/24/2015	0 - 2 ft	N			X
V12	V12_S1_0-2	01/24/2015	0 - 2 ft	N			X
V12	V12_S2_2-4	01/24/2015	2 - 4 ft	N			
V12	V12_S3_4-6	01/24/2015	4 - 6 ft	N			
V12	V12_S4_6-8	01/24/2015	6 - 8 ft	N			
V12	Z4_S1_0-2	01/24/2015	0 - 2 ft	FD			X
V12	Z4_S2_2-4	01/24/2015	2 - 4 ft	FD			
V12	Z4_S3_4-6	01/24/2015	4 - 6 ft	FD			
V13	V13_S1_1-4.5	01/14/2011	1 - 4.5 ft	N			X
V13	V13_S2_4.5-6.5	01/14/2011	4.5 - 6.5 ft	N			
V13A	V13A_S1_0.4-6.4	01/24/2015	0.4 - 6.4 ft	N			X
V13A	V13A_S2_0.4-2.4	01/24/2015	0.4 - 2.4 ft	N			X
V14	V14_S1_1.1-6.8	06/11/2010	1.1 - 6.8 ft	N			X
V14	V14_S10_20.4-22.4	06/14/2010	20.4 - 22.4 ft	N			
V14	V14_S11_22.4-24.4	06/14/2010	22.4 - 24.4 ft	N			
V14	V14_S12_24.4-26.4	06/14/2010	24.4 - 26.4 ft	N			
V14	V14_S2_6.8-8.4	06/11/2010	6.8 - 8.4 ft	N			
V14	V14_S3_8.4-10.4	06/11/2010	8.4 - 10.4 ft	N			
V14	V14_S4_10.4-12.4	06/11/2010	10.4 - 12.4 ft	N			
V14	V14_S5_12.4-14.4	06/11/2010	12.4 - 14.4 ft	N			
V14	V14_S6_14.4-16.4	06/11/2010	14.4 - 16.4 ft	N			
V14	V14_S7_16.4-18.4	06/11/2010	16.4 - 18.4 ft	N			
V14	V14_S8_6.8-16.8	06/11/2010	6.8 - 16.8 ft	N			
V14	V14_S9_18.4-20.4	06/14/2010	18.4 - 20.4 ft	N			
V15	V15_S1_1.2-8.3	06/14/2010	1.2 - 8.3 ft	N			X
V15	V15_S10_22.5-23.8	06/14/2010	22.5 - 23.8 ft	N			
V15	V15_S11_23.8-24.5	06/14/2010	23.8 - 24.5 ft	N			
V15	V15_S2_8.5-10.5	06/14/2010	8.5 - 10.5 ft	N			
V15	V15_S3_10.5-12.5	06/14/2010	10.5 - 12.5 ft	N			
V15	V15_S4_12.5-14.5	06/14/2010	12.5 - 14.5 ft	N			
V15	V15_S5_14.5-16.5	06/14/2010	14.5 - 16.5 ft	N			
V15	V15_S6_16.5-18.5	06/14/2010	16.5 - 18.5 ft	N			
V15	V15_S7_8.3-18.3	06/14/2010	8.3 - 18.3 ft	N			
V15	V15_S8_18.5-20.5	06/14/2010	18.5 - 20.5 ft	N			
V15	V15_S9_20.5-22.5	06/14/2010	20.5 - 22.5 ft	N			
V16	V16_S1_1-3	12/17/2010	1 - 3 ft	N			X
V16	V16_S10_16-19	12/17/2010	16 - 19 ft	N			
V16	V16_S2_3-5	12/17/2010	3 - 5 ft	N			
V16	V16_S3_5-7	12/17/2010	5 - 7 ft	N			
V16	V16_S4_6-11	12/17/2010	6 - 11 ft	N			
V16	V16_S5_7-9	12/17/2010	7 - 9 ft	N			
V16	V16_S6_9-11	12/17/2010	9 - 11 ft	N			
V16	V16_S7_11-13	12/17/2010	11 - 13 ft	N			
V16	V16_S8_11-16	12/17/2010	11 - 16 ft	N			
V16	V16_S9_13-15	12/17/2010	13 - 15 ft	N			
V17	V17_S1_0-5	01/22/2015	0 - 5 ft	N			X
V17	V17_S2_1-3	01/22/2015	1 - 3 ft	N			X
W11	W11_S1_0.2-2.2	02/12/2015	0.2 - 2.2 ft	N			X
W11	W11_S2_2.2-4.2	02/12/2015	2.2 - 4.2 ft	N			

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
W12	W12_S2_5-8	01/14/2011	5 - 8 ft	N			
W12A	W12A_S4_4.6-6.6	02/12/2015	4.6 - 6.6 ft	N			
W13	W13_S1_0.7-4.7	01/03/2011	0.7 - 4.7 ft	N			X
W13	W13_S2_4.7-6.7	01/03/2011	4.7 - 6.7 ft	N			
W13	W13_S3_6.7-8.7	01/03/2011	6.7 - 8.7 ft	N			
W13	Z13_S1_0.7-4.7	01/03/2011	0.7 - 4.7 ft	FD			X
W13A	W13A_S1_0.0-4.8	02/12/2015	0 - 4.8 ft	N			X
W13A	W13A_S2_0.8-2.8	02/12/2015	0.8 - 2.8 ft	N			X
W13A	W13A_S3_2.8-4.8	02/12/2015	2.8 - 4.8 ft	N			
W14	W14_S1_0.3-4.3	06/11/2010	0.3 - 4.3 ft	N			X
W14	W14_S10_18.3-20.3	06/11/2010	18.3 - 20.3 ft	N			
W14	W14_S11_20.3-22.3	06/11/2010	20.3 - 22.3 ft	N			
W14	W14_S2_4.3-6.3	06/11/2010	4.3 - 6.3 ft	N			
W14	W14_S3_6.3-8.3	06/11/2010	6.3 - 8.3 ft	N			
W14	W14_S4_8.3-10.3	06/11/2010	8.3 - 10.3 ft	N			
W14	W14_S5_10.3-12.3	06/11/2010	10.3 - 12.3 ft	N			
W14	W14_S6_12.3-14.3	06/11/2010	12.3 - 14.3 ft	N			
W14	W14_S7_4.3-14.3	06/11/2010	4.3 - 14.3 ft	N			
W14	W14_S8_14.-16.3	06/11/2010	14.3 - 16.3 ft	N			
W14	W14_S9_16.3-18.3	06/11/2010	16.3 - 18.3 ft	N			
W15	W15_S1_0.6-6.0	06/14/2010	0.6 - 6 ft	N			X
W15	W15_S10_20-22	06/14/2010	20 - 22 ft	N			
W15	W15_S11_22-24	06/14/2010	22 - 24 ft	N			
W15	W15_S2_6-8	06/14/2010	6 - 8 ft	N			
W15	W15_S3_8-10	06/14/2010	8 - 10 ft	N			
W15	W15_S4_10-12	06/14/2010	10 - 12 ft	N			
W15	W15_S5_12-14	06/14/2010	12 - 14 ft	N			
W15	W15_S6_14-16	06/14/2010	14 - 16 ft	N			
W15	W15_S7_6-16	06/14/2010	6 - 16 ft	N			
W15	W15_S8_16-18	06/14/2010	16 - 18 ft	N			
W15	W15_S9_18-20	06/14/2010	18 - 20 ft	N			
W16	W16_S1_0.5-3.0	12/30/2010	0.5 - 3 ft	N			X
W16	W16_S2_3-5	12/30/2010	3 - 5 ft	N			
W16	W16_S3_3-8	12/30/2010	3 - 8 ft	N			
W16	W16_S3_5-7	12/30/2010	5 - 7 ft	N			
W16	W16_S4_7-9	12/30/2010	7 - 9 ft	N			
W16	W16_S5_9-11	12/30/2010	9 - 11 ft	N			
W16	W16_S6_11-13	12/30/2010	11 - 13 ft	N			
W16	W16_S6_8-13	12/30/2010	8 - 13 ft	N			
W16	W16_S7_13-15	01/03/2011	13 - 15 ft	N			
W16	W16_S7_13-18	01/03/2011	13 - 18 ft	N			
W17	W17_S1_0-0.9	11/16/2015	0 - 0.9 ft	N			X
W17	W17_S2_0.9-2.9	11/16/2015	0.9 - 2.9 ft	N			X
W17	W17_S3_2.9-4.9	11/16/2015	2.9 - 4.9 ft	N			
W17	W17_S4_4.9-6.9	11/16/2015	4.9 - 6.9 ft	N			
W18	W18_S1_0-1.0	11/16/2015	0 - 1 ft	N			X
W18	W18_S2_1.0-3.0	11/16/2015	1 - 3 ft	N			X
W18	W18_S3_3.0-5.0	11/16/2015	3 - 5 ft	N			
W18	W18_S4_5.0-7.0	11/16/2015	5 - 7 ft	N			
X11	X11_S1_0.0-1.8	11/23/2015	0 - 1.8 ft	N			X
X11	X11_S2_1.8-3.8	11/23/2015	1.8 - 3.8 ft	N			X
X11	X11_S3_3.8-5.8	11/23/2015	3.8 - 5.8 ft	N			
X12	X12_S1_0.1-2.1	02/12/2015	0.1 - 2.1 ft	N			X
X12	X12_S2_2.1-4.1	02/12/2015	2.1 - 4.1 ft	N			
X12	X12_S3_4.1-6.1	02/12/2015	4.1 - 6.1 ft	N			
X13	X13_S1_0.3-2.3	02/12/2015	0.3 - 2.3 ft	N			X
X13	X13_S2_2.3-4.3	02/12/2015	2.3 - 4.3 ft	N			
X13	X13_S3_4.3-6.3	02/12/2015	4.3 - 6.3 ft	N			
X14	X14_S1_0.0-2.3	11/30/2015	0 - 2.3 ft	N			X
X14	X14_S2_2.3-4.3	11/30/2015	2.3 - 4.3 ft	N			
X14	X14_S3_4.3-6.3	11/30/2015	4.3 - 6.3 ft	N			
X14	X14_S4_6.3-8.3	11/30/2015	6.3 - 8.3 ft	N			
X15	X15_S1_0.0-2.4	12/01/2015	0 - 2.4 ft	N			X
X15	X15_S2_2.4-4.4	12/01/2015	2.4 - 4.4 ft	N			
X15	X15_S3_4.4-6.4	12/01/2015	4.4 - 6.4 ft	N			
X15	X15_S4_6.4-8.4	12/01/2015	6.4 - 8.4 ft	N			
X16	X16_S1_0.0-0.6	12/01/2015	0 - 0.6 ft	N			X
X16	X16_S2_0.6-2.6	12/01/2015	0.6 - 2.6 ft	N			X
X16	X16_S3_2.6-4.6	12/01/2015	2.6 - 4.6 ft	N			
X16	X16_S4_4.6-6.6	12/01/2015	4.6 - 6.6 ft	N			
X16	X16_S5_6.6-8.6	12/01/2015	6.6 - 8.6 ft	N			
X17	X17_S2_0.7-2.7	12/08/2015	0.7 - 2.7 ft	N			X
X17	X17_S3_2.7-4.7	12/08/2015	2.7 - 4.7 ft	N			
X17	X17_S4_4.7-6.7	12/08/2015	4.7 - 6.7 ft	N			
X17	X17-S1_0-0.7	12/08/2015	0 - 0.7 ft	N			X
X18	X18_S1_0.0-0.8	11/30/2015	0 - 0.8 ft	N			X
X18	X18_S2_0.8-2.8	11/30/2015	0.8 - 2.8 ft	N			X
X18	X18_S3_2.8-4.8	11/30/2015	2.8 - 4.8 ft	N			
X18	X18_S4_4.8-6.8	11/30/2015	4.8 - 6.8 ft	N			
Y11	Y11_S1_0-0.6'	11/17/2015	0 - 0.6 ft	N			X
Y11	Y11_S2_0.6-2.6'	11/17/2015	0.6 - 2.6 ft	N			X

TABLE A1
SAMPLES USED IN THE RISK ASSESSMENT
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Location ID	Sample ID	Date Sampled	Sample Depth	Sample Type	Parking Area Backfill	Cypher Street (0-15 ft bgs)	TSCA Soils (0-2 ft bgs)
Y11	Y11_S3_2.6-4.6'	11/17/2015	2.6 - 4.6 ft	N			
Y11	Y11_S4_4.6-6.6'	11/17/2015	4.6 - 6.6 ft	N			
Y11	Z11_S4_4.6-6.6'	11/17/2015	4.6 - 6.6 ft	FD			
Y12	Y12_S1_0-1.0'	11/17/2015	0 - 1 ft	N			X
Y12	Y12_S2_1.0-3.0'	11/17/2015	1 - 3 ft	N			X
Y12	Y12_S3_3.0-5.0'	11/17/2015	3 - 5 ft	N			
Y12	Y12_S4_5.0-7.0'	11/17/2015	5 - 7 ft	N			
Y13	Y13_S1_0-1.1'	11/17/2015	0 - 1.1 ft	N			X
Y13	Y13_S2_1.1-3.1'	11/17/2015	1.1 - 3.1 ft	N			X
Y13	Y13_S3_3.1-5.1'	11/17/2015	3.1 - 5.1 ft	N			
Y13	Y13_S4_5.1-7.1'	11/17/2015	5.1 - 7.1 ft	N			
Y14	Y14_S1_0-1.3'	11/17/2015	0 - 1.3 ft	N			X
Y14	Y14_S2_1.3-3.3'	11/17/2015	1.3 - 3.3 ft	N			X
Y14	Y14_S3_3.3-5.3'	11/17/2015	3.3 - 5.3 ft	N			
Y14	Y14_S4_5.3-7.3'	11/17/2015	5.3 - 7.3 ft	N			

ABBREVIATIONS:
FD: Field Duplicate
ft bgs: Feet below ground surface
N: Normal Sample

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A10			A11							A12										
Location Name	A10	A10	A10	A11	A11	A11	A11A	A11A	A11A	A11A	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12A
Sample Name	A10_S1_0.4-6.3	A10_S2_0.4-2.3	A10_S3_2.3-4.3	A11_S1_4-9	A11_S2_9-14	A11_S3_14-19	A11A_S1_1.2-2.2	A11A_S2_2.2-4.2	A11A_S3_4.2-6.2	A11A_S4_6.2-8.2	A12_S1_0.5-2.2	A12_S2_4-6	A12_S6_4-14	A12_S3_8-10	A12_S4_10-12	A12_S5_12-14	A12_S7_14-16	A12_S8_16-18	A12_S9_18-20	A12_S10_20-22	A12A_S1_4-9
Sample Date	02/06/2015	02/06/2015	02/06/2015	12/28/2010	12/28/2010	12/28/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010
						138838-14															
				138838-12	138838-13	138838-20							134855-43								138838-15
				138838-18	138838-19	138838-26					134855-39		134855-48								138838-21
	15B0246-01			138838-24	138838-25	139023-4					134855-47		134855-54								138838-9
Lab Sample ID	15B0455-01	15B0246-02	15B0246-03	139023-2	139023-3	139023-7	15K1346-16	15K1346-17	15K1346-18	15K1346-19	134855-53	134855-24	135059-3	134855-25	134855-26	134855-27	134855-28	134855-29	134855-30	134855-31	139023-1
Sample Depth (bgs)	0.4 - 6.3 (ft)	0.4 - 2.3 (ft)	2.3 - 4.3 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	0.5 - 2.2 (ft)	4 - 6 (ft)	4 - 14 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	4 - 9 (ft)
Sample Elevation (ft BCB)	17.9 to 12	17.9 to 16	16 to 14	14.2 to 9.2	9.2 to 4.2	4.2 to -0.80	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 15.8	14 to 12	14 to 4	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.1 to 9.1
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	ND (0.0026)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,2,4-Trichlorobenzene	ND (0.0026)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,2,4-Trimethylbenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,2-Dichlorobenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trichlorobenzene	-	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trimethylbenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,3-Dichlorobenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
1,4-Dichlorobenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Acetone	ND (0.065)	-	-	ND (0.26)	ND (0.29)	ND (0.22)	-	-	-	-	ND (0.2)	-	ND (3.4)	-	-	-	-	-	-	-	ND (0.25)
Benzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	5	-	-	-	-	-	-	-	0.014
Chlorobenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Chloroform (Trichloromethane)	ND (0.0026)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Cymene (p-Isopropyltoluene)	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Ethylbenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Isopropylbenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
m,p-Xylenes	ND (0.0026)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Methyl Tert Butyl Ether	ND (0.0026)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Methylene chloride	ND (0.0065)	-	-	ND (0.064)	ND (0.071)	ND (0.054)	-	-	-	-	ND (0.05)	-	ND (1.4)	-	-	-	-	-	-	-	ND (0.062)
Naphthalene	ND (0.0065)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	0.033	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
n-Propylbenzene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
o-Xylene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Styrene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Tetrachloroethene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Toluene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
Trichloroethene	ND (0.0013)	-	-	ND (0.006)	ND (0.007)	ND (0.005)	-	-	-	-	ND (0.005)	-	ND (0.34)	-	-	-	-	-	-	-	ND (0.006)
SUM of Volatile Organic Compounds	ND	-	-	ND	ND	ND	-	-	-	-	0.033	-	5	-	-	-	-	-	-	-	0.014
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
1,2-Dichlorobenzene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
1,3-Dichlorobenzene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
1,4-Dichlorobenzene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
2,4-Dimethylphenol	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
2,4-Dinitrotoluene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
2,6-Dinitrotoluene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
2-Chloronaphthalene	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
2-Methylnaphthalene	ND (0.38)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.41	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
2-Methylphenol	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
3&4-Methylphenol	ND (0.76)	-	-	ND (0.4)	0.51	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Acenaphthene	0.63	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	1	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Acenaphthylene	ND (0.38)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Acetophenone	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Aniline	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Anthracene	1.3	-	-	0.77	ND (0.44)	0.44	-	-	-	-	2.1	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Benzo(a)anthracene	3	-	-	2.6	0.54	0.69	-	-	-	-	2.1	-	ND (0.44)	-	-	-	-	-	-	-	0.85
Benzo(a)pyrene	2.3	-	-	2.3	ND (0.44)	0.47	-	-	-	-	1.7	-	ND (0.44)	-	-	-	-	-	-	-	0.83
Benzo(b)fluoranthene	3.3	-	-	2.8	0.53	0.56	-	-	-	-	2.2	-	ND (0.44)	-	-	-	-	-	-	-	1
Benzo(g,h,i)perylene	0.87	-	-	0.75	ND (0.44)	ND (0.38)	-	-	-	-	0.37	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Benzo(k)fluoranthene	1.7	-	-	0.97	ND (0.44)	ND (0.38)	-	-	-	-	0.76	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
bis(2-Ethylhexyl)phthalate	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.4	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Butyl benzylphthalate	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Carbazole	-	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	1.3	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Chrysene	2.8	-	-	2.2	0.51	0.67	-	-	-	-	2	-	ND (0.44)	-	-	-	-	-	-	-	0.86
Dibenz(a,h)anthracene	ND (0.38)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Dibenzofuran	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.93	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Diethyl phthalate	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Di-n-butylphthalate	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Di-n-octyl phthalate	ND (1.5)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Fluoranthene	6.1	-	-	4.2	1.4	1.4	-	-	-	-	7	-	ND (0.44)	-	-	-	-	-	-	-	1.5
Fluorene	0.43	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.91	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Indeno(1,2,3-cd)pyrene	0.99	-	-	0.9	ND (0.44)	ND (0.38)	-	-	-	-	0.57	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Isophorone	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Naphthalene	0.44	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	0.98	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
N-Nitrosodiphenylamine	-	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Phenanthrene	6.2	-	-	2.6	1.2	1.5	-	-	-	-	9.2	-	ND (0.44)	-	-	-	-	-	-	-	1.4
Phenol	ND (0.76)	-	-	ND (0.4)	ND (0.44)	ND (0.38)	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.43)
Pyrene	6.5	-	-	3.4	1.1	1.5	-	-	-	-	4.9	-	ND (0.44)	-	-	-	-	-	-	-	1.2
SUM of Semi-Volatile Organic Compounds	36.56	-	-	23.49	5.79	7.23	-	-	-	-	38.83	-	ND	-	-	-	-	-	-	-	7.64

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A10			A11							A12										
Location Name	A10	A10	A10	A11	A11	A11	A11A	A11A	A11A	A11A	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12	A12A
Sample Name	A10_S1_0.4-6.3	A10_S2_0.4-2.3	A10_S3_2.3-4.3	A11_S1_4-9	A11_S2_9-14	A11_S3_14-19	A11A_S1_1.2-2.2	A11A_S2_2.2-4.2	A11A_S3_4.2-6.2	A11A_S4_6.2-8.2	A12_S1_0.5-2.2	A12_S2_4-6	A12_S6_4-14	A12_S3_8-10	A12_S4_10-12	A12_S5_12-14	A12_S7_14-16	A12_S8_16-18	A12_S9_18-20	A12_S10_20-22	A12A_S1_4-9
Sample Date	02/06/2015	02/06/2015	02/06/2015	12/28/2010	12/28/2010	12/28/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010
Lab Sample ID	15B0246-01 15B0455-01	15B0246-02	15B0246-03	138838-12 138838-18 138838-24 139023-2	138838-13 138838-19 138838-25 139023-3	138838-14 138838-20 138838-26 139023-4 139023-7	15K1346-16	15K1346-17	15K1346-18	15K1346-19	134855-39 134855-47 134855-53	134855-24	134855-43 134855-48 134855-54 135059-3	134855-25	134855-26	134855-27	134855-28	134855-29	134855-30	134855-31	138838-15 138838-21 138838-9 139023-1
Sample Depth (bgs)	0.4 - 6.3 (ft)	0.4 - 2.3 (ft)	2.3 - 4.3 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	0.5 - 2.2 (ft)	4 - 6 (ft)	4 - 14 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	4 - 9 (ft)
Sample Elevation (ft BCB)	17.9 to 12	17.9 to 16	16 to 14	14.2 to 9.2	9.2 to 4.2	4.2 to -0.80	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 15.8	14 to 12	14 to 4	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.1 to 9.1
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	150	64	110	-	-	-	-	130	-	81	-	-	-	-	-	-	-	200
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	60	70	61	-	-	-	-	120	-	88	-	-	-	-	-	-	-	120
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (24)	31	ND (23)	-	-	-	-	ND (31)	-	ND (40)	-	-	-	-	-	-	-	ND (26)
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	3.1	4.8	4.1	-	-	-	-	2.6	-	1.7	-	-	-	-	-	-	-	3.1
Arsenic	3.1	-	-	6.3	54	8.7	-	-	-	-	ND (3.2)	-	33	-	-	-	-	-	-	-	21
Barium	98	-	-	190	1500	120	-	-	-	-	30	-	300	-	-	-	-	-	-	-	120
Beryllium	-	-	-	ND (0.37)	ND (0.38)	ND (0.37)	-	-	-	-	ND (0.32)	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.36)
Cadmium	0.99	-	-	3.6	1.9	1.4	-	-	-	-	1.2	-	2.3	-	-	-	-	-	-	-	2.9
Chromium	27	-	-	15	24	33	-	-	-	-	19	-	14	-	-	-	-	-	-	-	15
Chromium VI (Hexavalent)	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	270	-	-	360	720	170	-	-	-	-	9.9	-	630	-	-	-	-	-	-	-	730
Mercury	0.44	-	-	1.3	2.7	2	-	-	-	-	0.041	-	1.9	-	-	-	-	-	-	-	2.2
Nickel	-	-	-	28	36	20	-	-	-	-	14	-	18	-	-	-	-	-	-	-	21
Selenium	ND (5.2)	-	-	ND (6.2)	ND (6.4)	ND (6.1)	-	-	-	-	ND (5.3)	-	ND (7)	-	-	-	-	-	-	-	ND (6)
Silver	ND (0.52)	-	-	ND (1.2)	ND (1.3)	ND (1.2)	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	ND (1.2)
Thallium	-	-	-	ND (6.2)	ND (6.4)	ND (6.1)	-	-	-	-	ND (5.3)	-	8.6	-	-	-	-	-	-	-	ND (6)
Vanadium	-	-	-	36	44	51	-	-	-	-	51	-	19	-	-	-	-	-	-	-	40
Zinc	-	-	-	690	270	120	-	-	-	-	51	-	680	-	-	-	-	-	-	-	530
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.034	-	-	2.2	1.6	1.1	-	-	-	-	-	-	5.7	-	-	-	-	-	-	-	1.9
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	-	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1221 (PCB-1221)	-	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1232 (PCB-1232)	-	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1242 (PCB-1242)	-	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1248 (PCB-1248)	-	ND (0.11)	0.18	-	-	-	ND (0.12)	4	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1254 (PCB-1254)	-	0.2	0.19	-	-	-	0.59	5.8	0.12	ND (0.12)	0.087	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1260 (PCB-1260)	-	0.45	0.14	-	-	-	0.42	2.4	0.13	ND (0.12)	0.056	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1262 (PCB-1262)	-	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
Aroclor-1268 (PCB-1268)	-	ND (0.11)	ND (0.11)	-	-	-	ND (0.12)	ND (0.58)	ND (0.12)	ND (0.12)	ND (0.042)	ND (0.052)	-	ND (0.053)	ND (0.071)	ND (0.077)	ND (0.06)	ND (0.053)	ND (0.052)	ND (0.062)	-
SUM of PCBs	-	0.65	0.51	-	-	-	1.01	12.2	0.25	ND	0.143	ND	-	ND	ND	ND	ND	ND	ND	ND	-
Other																					
Percent Solids, vol. (%wt)	89	89.2	92.1	-	-	-	84.8	85.6	86.5	84	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	165 >	165 >	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	ND (4)	-	-	ND (50)	ND (50)	ND (50)	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	ND (20)	-	-	ND (100)	ND (100)	ND (100)	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	70	-	-	-	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	11	-	-	7.1	7.2	7.1	-	-	-	-	8.2	-	8.2	-	-	-	-	-	-	-	7.1
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.5)	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	3.3	-	-	-	-	-	-	-	4
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	4.3	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	ND (2.1)	-	-	-	-	-	-	-	1.9
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	4.3	ND (1.6)	ND (1.3)	-	-	-	-	ND (1.1)	-	ND (2.1)	-	-	-	-	-	-	-	1.9

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			A13									A14								
Location Name	A12A	A12A	A13	A13	A13	A13	A13	A13	A13	A13	A13	A14	A14	A14	A14	A14	A14	A14	A14	A14
Sample Name	A12a_S2_9-14	A12a_S3_14-19	A13_S1_0.5-3.5	A13_S2_5.5-7.5	A13_S7_5.5-15.5	A13_S3_7.5-9.5	A13_S4_9.5-11.5	A13_S5_11.5-13.5	A13_S6_13.5-15.5	A13_S8_19.5-21.5	A13_S9_21.5-23.5	A14_S1_1-2.4	A14_S2_4-6	A14_S7_4-14	A14_S3_6-8	A14_S4_8-10	A14_S5_10-12	A14_S6_12-14	A14_S8_14-16	A14_S9_16-18
Sample Date	12/28/2010	12/28/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010
												134906-1		134906-13						
		138838-11			134855-44							134906-12		134906-15						
	138838-10	138838-17	134855-40		134855-50							134906-14		134906-7						
	138838-16	138838-23	134855-49		134855-56							135061-1		135061-2	134906-3					
Lab Sample ID	139023-5	139023-6	134855-55	134855-32	135059-4	134855-33	134855-34	134855-35	134855-36	134855-37	134855-38	135061-4	134906-2	135061-3	134906-3RA1	134906-4	134906-5	134906-6	134906-8	134906-9
Sample Depth (bgs)	9 - 14 (ft)	14 - 19 (ft)	0.5 - 3.5 (ft)	5.5 - 7.5 (ft)	5.5 - 15.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1 - 2.4 (ft)	4 - 6 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Sample Elevation (ft BCB)	9.1 to 4.1	4.1 to -0.9	17 to 14	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	-2 to -4	-4 to -6	17 to 15.6	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Acetone	ND (3.3)	ND (0.24)	ND (0.2)	-	ND (0.28)	-	-	-	-	-	-	ND (0.2)	-	ND (0.28)	-	-	-	-	-	-
Benzene	1.5	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Chlorobenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Ethylbenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Isopropylbenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
m,p-Xylenes	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Methylene chloride	ND (1.3)	ND (0.061)	ND (0.05)	-	ND (0.069)	-	-	-	-	-	-	ND (0.05)	-	ND (0.069)	-	-	-	-	-	-
Naphthalene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	0.071	-	ND (0.007)	-	-	-	-	-	-
n-Propylbenzene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
o-Xylene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Styrene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Tetrachloroethene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Toluene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
Trichloroethene	ND (0.33)	ND (0.006)	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	1.5	ND	ND	-	ND	-	-	-	-	-	-	0.071	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
2-Methylphenol	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
3&4-Methylphenol	0.54	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Acenaphthene	0.84	0.8	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Acenaphthylene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Acetophenone	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Aniline	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Anthracene	1.4	0.94	ND (0.35)	-	0.81	-	-	-	-	-	-	ND (0.35)	-	0.68	-	-	-	-	-	-
Benzo(a)anthracene	1.8	0.54	0.67	-	1.4	-	-	-	-	-	-	0.44	-	1.3	-	-	-	-	-	-
Benzo(a)pyrene	1.4	ND (0.45)	0.52	-	1.1	-	-	-	-	-	-	ND (0.35)	-	1.1	-	-	-	-	-	-
Benzo(b)fluoranthene	1.6	ND (0.45)	0.78	-	1.5	-	-	-	-	-	-	0.44	-	1.3	-	-	-	-	-	-
Benzo(g,h,i)perylene	0.5	ND (0.45)	ND (0.35)	-	0.9	-	-	-	-	-	-	ND (0.35)	-	0.62	-	-	-	-	-	-
Benzo(k)fluoranthene	0.56	ND (0.45)	ND (0.35)	-	0.56	-	-	-	-	-	-	ND (0.35)	-	0.46	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Carbazole	0.55	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Chrysene	1.6	ND (0.45)	0.69	-	1.2	-	-	-	-	-	-	0.43	-	1.3	-	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Dibenzofuran	0.59	0.58	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Diethyl phthalate	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Fluoranthene	3.6	2.1	1.7	-	3.5	-	-	-	-	-	-	1	-	3.1	-	-	-	-	-	-
Fluorene	0.69	0.62	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.55	ND (0.45)	ND (0.35)	-	0.83	-	-	-	-	-	-	ND (0.35)	-	0.65	-	-	-	-	-	-
Isophorone	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Naphthalene	0.47	0.66	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
N-Nitrosodiphenylamine	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Phenanthrene	4.4	2.9	0.99	-	3.4	-	-	-	-	-	-	1.1	-	2.9	-	-	-	-	-	-
Phenol	ND (0.44)	ND (0.45)	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-	ND (0.35)	-	ND (0.46)	-	-	-	-	-	-
Pyrene	3.1	1.5	1.2	-	2.9	-	-	-	-	-	-	0.85	-	2.8	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	24.19	10.64	6.55	-	18.1	-	-	-	-	-	-	4.26	-	16.21	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			A13									A14								
Location Name	A12A	A12A	A13	A13	A13	A13	A13	A13	A13	A13	A13	A14	A14	A14	A14	A14	A14	A14	A14	A14
Sample Name	A12a_S2_9-14	A12a_S3_14-19	A13_S1_0.5-3.5	A13_S2_5.5-7.5	A13_S7_5.5-15.5	A13_S3_7.5-9.5	A13_S4_9.5-11.5	A13_S5_11.5-13.5	A13_S6_13.5-15.5	A13_S8_19.5-21.5	A13_S9_21.5-23.5	A14_S1_1-2.4	A14_S2_4-6	A14_S7_4-14	A14_S3_6-8	A14_S4_8-10	A14_S5_10-12	A14_S6_12-14	A14_S8_14-16	A14_S9_16-18
Sample Date	12/28/2010	12/28/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010	07/20/2010
												134906-1		134906-13						
		138838-11			134855-44							134906-12		134906-15						
	138838-10	138838-17	134855-40		134855-50							134906-14		134906-7						
	138838-16	138838-23	134855-49		134855-56							135061-1		135061-2	134906-3					
Lab Sample ID	139023-5	139023-6	134855-55	134855-32	135059-4	134855-33	134855-34	134855-35	134855-36	134855-37	134855-38	135061-4	134906-2	135061-3	134906-3RA1	134906-4	134906-5	134906-6	134906-8	134906-9
Sample Depth (bgs)	9 - 14 (ft)	14 - 19 (ft)	0.5 - 3.5 (ft)	5.5 - 7.5 (ft)	5.5 - 15.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1 - 2.4 (ft)	4 - 6 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Sample Elevation (ft BCB)	9.1 to 4.1	4.1 to -0.9	17 to 14	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	-2 to -4	-4 to -6	17 to 15.6	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	170	ND (26)	310	-	63	-	-	-	-	-	-	150	-	150	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	160	ND (26)	330	-	69	-	-	-	-	-	-	210	-	130	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	43	ND (26)	ND (32)	-	ND (40)	-	-	-	-	-	-	ND (32)	-	ND (42)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	5.4	2.3	1.3	-	ND (1.5)	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-
Arsenic	120	5.7	ND (3.4)	-	16	-	-	-	-	-	-	ND (3.4)	-	ND (4.3)	-	-	-	-	-	-
Barium	220	55	38	-	270	-	-	-	-	-	-	26	-	53	-	-	-	-	-	-
Beryllium	ND (0.4)	ND (0.4)	ND (0.34)	-	ND (0.44)	-	-	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-
Cadmium	1.2	1.2	0.84	-	15	-	-	-	-	-	-	2	-	24	-	-	-	-	-	-
Chromium	14	30	13	-	17	-	-	-	-	-	-	46	-	180	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-
Lead	1200	41	29	-	1300	-	-	-	-	-	-	11	-	270	-	-	-	-	-	-
Mercury	3	0.26	ND (0.018)	-	2.8	-	-	-	-	-	-	4.4	-	ND (0.023)	-	-	-	-	-	-
Nickel	8.4	19	10	-	28	-	-	-	-	-	-	30	-	170	-	-	-	-	-	-
Selenium	ND (6.7)	ND (6.7)	ND (5.7)	-	ND (7.3)	-	-	-	-	-	-	ND (5.7)	-	ND (7.2)	-	-	-	-	-	-
Silver	49	ND (1.3)	ND (1.1)	-	ND (3.5)	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-
Thallium	ND (6.7)	ND (6.7)	ND (5.7)	-	ND (7.3)	-	-	-	-	-	-	9.3	-	100	-	-	-	-	-	-
Vanadium	14	51	25	-	23	-	-	-	-	-	-	51	-	ND (1.4)	-	-	-	-	-	-
Zinc	150	64	49	-	14000	-	-	-	-	-	-	76	-	1400	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-
Lead	14	-	-	-	79	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1221 (PCB-1221)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1232 (PCB-1232)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1242 (PCB-1242)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1248 (PCB-1248)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1254 (PCB-1254)	-	-	0.087	0.43	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	13	0.14	-	0.61	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1260 (PCB-1260)	-	-	0.051	0.25	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	0.13	-	0.58	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1262 (PCB-1262)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
Aroclor-1268 (PCB-1268)	-	-	ND (0.044)	ND (0.049)	-	ND (0.049)	ND (0.049)	ND (0.051)	ND (0.063)	ND (0.063)	ND (0.06)	ND (2.2)	ND (0.048)	-	ND (0.049)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.099)	ND (0.05)
SUM of PCBs	-	-	0.138	0.68	-	ND	ND	ND	ND	ND	ND	13	0.27	-	1.19	ND	ND	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	165 >	165 >	-	165 >	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	ND (50)	ND (50)	-	ND (50)	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (100)	ND (100)	ND (100)	-	ND (100)	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	460	-	-	-	-	-	-	-	-	-	440	-	370	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	6.8	6.9	8.1	-	8.3	-	-	-	-	-	-	9.4	-	8.5	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	8.9	ND (1.6)	ND (1.2)	-	ND (1.8)	-	-	-	-	-	-	ND (1)	-	ND (2.2)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	2.3	ND (1.6)	ND (1.2)	-	ND (1.8)	-	-	-	-	-	-	ND (1)	-	2.3	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	2	2.2	ND (1.2)	-	ND (1.8)	-	-	-	-	-	-	ND (1)	-	ND (2.2)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			A15																
Location Name	A14	A14	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A16	A16	A16	A16
Sample Name	A14_S10_18-20	A14_S11_20-22	A15_S1_0.7-1.7	A15_S7_0.7-10.7	A15_S2_1.7-3.7	A15_S3_3.7-4.5	A15_S4_5.7-7.7	A15_S5_7.7-9.7	A15_S6_9.7-11.7	A15_S8_11.7-13.7	A15_S9_13.7-15.7	A15_S10_15.7-17.7	A15_S11_17.7-19.7	A15_S12_19.7-21	A15_S13_21-21.7	A16_S1_1-1.5	A16_S7_1-11	A16_S2_1.5-3.5	A16_S3_3.5-5.5
Sample Date	07/20/2010	07/20/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010
Lab Sample ID	134906-10	134906-11	134855-1	134855-41 134855-45 134855-51 135059-1 135059-5	134855-2	134855-3	134855-4	134855-5	134855-6	134855-7	134855-8	134855-9	134855-10	134855-11	134855-12	134855-13	134855-42 134855-46 134855-52 135059-2	134855-14	134855-15
Sample Depth (bgs)	18 - 20 (ft)	20 - 22 (ft)	0.7 - 1.7 (ft)	0.7 - 10.7 (ft)	1.7 - 3.7 (ft)	3.7 - 4.5 (ft)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21 (ft)	21 - 21.7 (ft)	1 - 1.5 (ft)	1 - 11 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)
Sample Elevation (ft BCB)	0 to -2	-2 to -4	17 to 16	17 to 7	16 to 14	14 to 13.2	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 16	16.5 to 6.5	16 to 14	14 to 12
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Acetone	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-
Benzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Chlorobenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Ethylbenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Isopropylbenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
m,p-Xylenes	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Methylene chloride	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-
Naphthalene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
n-Propylbenzene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
o-Xylene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Styrene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Tetrachloroethene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Toluene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
Trichloroethene	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
SUM of Volatile Organic Compounds	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
2,4-Dimethylphenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
2,4-Dinitrotoluene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
2,6-Dinitrotoluene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
2-Chloronaphthalene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
2-Methylnaphthalene	-	-	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
2-Methylphenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
3&4-Methylphenol	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Acenaphthene	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	0.63	-	-
Acenaphthylene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Acetophenone	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Aniline	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Anthracene	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	0.99	-	-
Benzo(a)anthracene	-	-	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-
Benzo(a)pyrene	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-
Benzo(b)fluoranthene	-	-	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	-
Benzo(g,h,i)perylene	-	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	0.57	-	-
Benzo(k)fluoranthene	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	0.78	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Butyl benzylphthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Carbazole	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	0.49	-	-
Chrysene	-	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-
Dibenz(a,h)anthracene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Dibenzofuran	-	-	-	0.66	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-
Diethyl phthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Di-n-butylphthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Di-n-octyl phthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Fluoranthene	-	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-
Fluorene	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	0.72	-	-
Isophorone	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Naphthalene	-	-	-	0.93	-	-	-	-	-	-	-	-	-	-	-	-	0.62	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Phenanthrene	-	-	-	6.1	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-	-
Phenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-
Pyrene	-	-	-	5.4	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	42.79	-	-	-	-	-	-	-	-	-	-	-	-	25.9	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			A15																
Location Name	A14	A14	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A15	A16	A16	A16	A16
Sample Name	A14_S10_18-20	A14_S11_20-22	A15_S1_0.7-1.7	A15_S7_0.7-10.7	A15_S2_1.7-3.7	A15_S3_3.7-4.5	A15_S4_5.7-7.7	A15_S5_7.7-9.7	A15_S6_9.7-11.7	A15_S8_11.7-13.7	A15_S9_13.7-15.7	A15_S10_15.7-17.7	A15_S11_17.7-19.7	A15_S12_19.7-21	A15_S13_21-21.7	A16_S1_1-1.5	A16_S7_1-11	A16_S2_1.5-3.5	A16_S3_3.5-5.5
Sample Date	07/20/2010	07/20/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010
Lab Sample ID	134906-10	134906-11	134855-1	134855-41 134855-45 134855-51 135059-1 135059-5	134855-2	134855-3	134855-4	134855-5	134855-6	134855-7	134855-8	134855-9	134855-10	134855-11	134855-12	134855-13	134855-42 134855-46 134855-52 135059-2	134855-14	134855-15
Sample Depth (bgs)	18 - 20 (ft)	20 - 22 (ft)	0.7 - 1.7 (ft)	0.7 - 10.7 (ft)	1.7 - 3.7 (ft)	3.7 - 4.5 (ft)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21 (ft)	21 - 21.7 (ft)	1 - 1.5 (ft)	1 - 11 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)
Sample Elevation (ft BCB)	0 to -2	-2 to -4	17 to 16	17 to 7	16 to 14	14 to 13.2	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 16	16.5 to 6.5	16 to 14	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	540	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	ND (35)	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	43	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-
Arsenic	-	-	-	4.3	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.7)	-	-
Barium	-	-	-	310	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-
Beryllium	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-
Cadmium	-	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-
Chromium	-	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	3300	-	-	-	-	-	-	-	-	-	-	-	-	650	-	-
Mercury	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Nickel	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-
Selenium	-	-	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.2)	-	-
Silver	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-
Thallium	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-
Vanadium	-	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-
Zinc	-	-	-	2400	-	-	-	-	-	-	-	-	-	-	-	-	680	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)
Aroclor-1221 (PCB-1221)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)
Aroclor-1232 (PCB-1232)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)
Aroclor-1242 (PCB-1242)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	14	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)
Aroclor-1248 (PCB-1248)	ND (0.059)	ND (0.071)	11	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	3.7	-	ND (1.1)	ND (0.05)
Aroclor-1254 (PCB-1254)	ND (0.059)	ND (0.071)	ND (2.3)	-	6.4	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	8.7	0.69
Aroclor-1260 (PCB-1260)	ND (0.059)	ND (0.071)	4.4	-	4.9	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	1.6	-	5	0.63
Aroclor-1262 (PCB-1262)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)
Aroclor-1268 (PCB-1268)	ND (0.059)	ND (0.071)	ND (2.3)	-	ND (1)	ND (0.051)	ND (0.049)	ND (0.049)	ND (4.7)	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.058)	ND (0.069)	ND (0.86)	-	ND (1.1)	ND (0.05)
SUM of PCBs	ND	ND	15.4	-	11.3	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	5.3	-	13.7	1.32
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-	8.5	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A16								A17										
Location Name	A16	A16	A16	A16	A16	A16	A16	A16	A17	A17	A17	A17	A17	A17	A17	A17	A18	A18	A18
Sample Name	A16_S4_5.5-7.5	A16_S5_7.5-9.5	A16_S6_9.5-11.5	A16_S8_11.5-13.5	A16_S9_13.5-15.5	A16_S10_15.5-17.5	A16_S11_17.5-19.5	A16_S12_19.5-21.5	A17_S1_1.5-3.5	A17_S2_3.5-5.5	A17_S3_5.5-7.5	A17_S4_7.5-9.5	A17_S5_9.5-11.5	A17_S6_11.5-13.5	A17_S7_13.5-15.5	A17_S8_15.5-17.5	A18_S1_1.4-3.4	A18_S2_3.4-5.4	A18_S3_5.4-7.4
Sample Date	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	134855-16	134855-17	134855-18	134855-19	134855-20	134855-21	134855-22	134855-23	138838-1	138838-2	138838-3	138838-4	138838-5	138838-6	138838-7	138838-8	138861-1	138861-2	138861-3
Sample Depth (bgs)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A16								A17										
Location Name	A16	A16	A16	A16	A16	A16	A16	A16	A17	A17	A17	A17	A17	A17	A17	A17	A18	A18	A18
Sample Name	A16_S4_5.5-7.5	A16_S5_7.5-9.5	A16_S6_9.5-11.5	A16_S8_11.5-13.5	A16_S9_13.5-15.5	A16_S10_15.5-17.5	A16_S11_17.5-19.5	A16_S12_19.5-21.5	A17_S1_1.5-3.5	A17_S2_3.5-5.5	A17_S3_5.5-7.5	A17_S4_7.5-9.5	A17_S5_9.5-11.5	A17_S6_11.5-13.5	A17_S7_13.5-15.5	A17_S8_15.5-17.5	A18_S1_1.4-3.4	A18_S2_3.4-5.4	A18_S3_5.4-7.4
Sample Date	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/28/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	134855-16	134855-17	134855-18	134855-19	134855-20	134855-21	134855-22	134855-23	138838-1	138838-2	138838-3	138838-4	138838-5	138838-6	138838-7	138838-8	138861-1	138861-2	138861-3
Sample Depth (bgs)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
Aroclor-1254 (PCB-1254)	ND (0.052)	0.89	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	0.48	0.098	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	2.9	ND (0.045)	ND (0.045)
Aroclor-1260 (PCB-1260)	ND (0.052)	0.34	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	0.31	0.11	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	2.2	ND (0.045)	ND (0.045)
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.053)	ND (0.061)	ND (0.059)	ND (0.051)	ND (0.053)	ND (0.047)	ND (0.062)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.051)	ND (0.056)	ND (0.069)	ND (0.056)	ND (0.052)	ND (0.46)	ND (0.045)	ND (0.045)
SUM of PCBs	ND	1.23	ND	ND	ND	ND	ND	ND	0.79	0.208	ND	ND	ND	ND	ND	ND	5.1	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A18						A19							A20				A21		
Location Name	A18	A18	A18	A18	A18	A18	A19	A19	A19	A19	A19	A19	A19	A20	A20	A20	A20	A21	A21	A21
Sample Name	X18_S3_5.4-7.4	A18_S4_7.4-9.4	A18_S5_9.4-11.4	A18_S6_11.4-13.4	A18_S7_13.4-15.4	A18_S8_15.4-17.4	A19_S1_1.3-3.3	A19_S2_3.3-5.3	A19_S3_5.3-7.3	A19_S4_7.3-9.3	A19_S5_9.3-11.3	Y24_S1_1-3	A19_S6_11.3-13.3	A20_S1_0.0-1.0	A20_S2_1.0-3.0	A20_S3_3.0-5.0	A20_S4_5.0-7.0	A21_S1_0.4-2.5	A21_S2_2.5-4.5	A21_S3_4.5-6.5
Sample Date	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015
Lab Sample ID	138861-4	138861-5	138861-6	138861-7	138861-8	138861-9	138861-28	138861-29	138861-30	138861-31	138861-32	138861-21	138861-33	15K1346-10	15K1346-11	15K1346-12	15K1346-13	15K1346-05	15K1346-06	15K1346-07
Sample Depth (bgs)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	17 to 16	16 to 14	14 to 12	12 to 10	16.1 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A18						A19							A20				A21		
Location Name	A18	A18	A18	A18	A18	A18	A19	A19	A19	A19	A19	A19	A19	A20	A20	A20	A20	A21	A21	A21
Sample Name	X18_S3_5.4-7.4	A18_S4_7.4-9.4	A18_S5_9.4-11.4	A18_S6_11.4-13.4	A18_S7_13.4-15.4	A18_S8_15.4-17.4	A19_S1_1.3-3.3	A19_S2_3.3-5.3	A19_S3_5.3-7.3	A19_S4_7.3-9.3	A19_S5_9.3-11.3	Y24_S1_1-3	A19_S6_11.3-13.3	A20_S1_0.0-1.0	A20_S2_1.0-3.0	A20_S3_3.0-5.0	A20_S4_5.0-7.0	A21_S1_0.4-2.5	A21_S2_2.5-4.5	A21_S3_4.5-6.5
Sample Date	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015
Lab Sample ID	138861-4	138861-5	138861-6	138861-7	138861-8	138861-9	138861-28	138861-29	138861-30	138861-31	138861-32	138861-21	138861-33	15K1346-10	15K1346-11	15K1346-12	15K1346-13	15K1346-05	15K1346-06	15K1346-07
Sample Depth (bgs)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	17 to 16	16 to 14	14 to 12	12 to 10	16.1 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1221 (PCB-1221)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1232 (PCB-1232)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1242 (PCB-1242)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1248 (PCB-1248)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	0.54	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1254 (PCB-1254)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	0.14	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	1.1	ND (0.13)	ND (0.12)	0.17	ND (0.11)	ND (0.12)
Aroclor-1260 (PCB-1260)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	0.089	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	0.88	ND (0.13)	ND (0.12)	0.36	ND (0.11)	ND (0.12)
Aroclor-1262 (PCB-1262)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1268 (PCB-1268)	ND (0.047)	ND (0.051)	ND (0.047)	ND (0.049)	ND (0.077)	ND (0.055)	ND (0.045)	ND (0.045)	ND (0.046)	ND (0.055)	ND (0.056)	ND (0.06)	ND (0.048)	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)
SUM of PCBs	ND	ND	ND	ND	ND	ND	0.229	ND	ND	ND	ND	ND	ND	ND	2.52	ND	ND	0.53	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	97.6	90.8	79.2	84.3	92.7	87.1	84.7
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A5						A6					A7			A8							
Location Name	A5	A5	A5	A5	A5	A5	A6	A6	A6	A6	A6	A7	A7	A7	A8	A8	A8	A8	A8	A8	A9	A9
Sample Name	A5_S1_0.3-5.9	A5_S3_0.3-1.9	A5_S4_1.9-3.9	A5_S5_3.9-5.9	A5_S2_5.9-7.9	A5_S6_5.9-7.9	A6_S1_1.7-5.9	A6_S3_1.9-3.9	A6_S4_3.9-5.9	A6_S2_5.9-7.9	A6_S5_5.9-7.9	A7_S1_0.6-2.1	A7_S2_2.1-4.1	A7_S3_4.1-6.1	A8_S1_0.6-6.2	A8_S3_0.6-2.2	A8_S4_2.2-4.2	A8_S5_4.2-6.2	A8_S2_6.2-8.2	A8_S6_6.2-8.2	A9_S1_0.7-6.3	A9_S3_0.7-2.3
Sample Date	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015
Lab Sample ID	15B0241-01 15B0451-01	15B0241-03	15B0241-04	15B0241-05	15B0241-02 15E0549-01	15B0241-06	15B0245-01 15B0454-01	15B0245-03	15B0245-04	15B0245-02 15B0454-02	15B0245-05	15B0248-01	15B0248-02	15B0248-03	15B0244-01	15B0244-03	15B0244-04	15B0244-05	15B0244-02 15B0453-01	15B0244-06	15B0243-01 15B0452-01	15B0243-03
Sample Depth (bgs)	0.3 - 5.9 (ft)	0.3 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	1.7 - 5.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	0.6 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.6 - 6.2 (ft)	0.6 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	6.2 - 8.2 (ft)	0.7 - 6.3 (ft)	0.7 - 2.3 (ft)
Sample Elevation (ft BCB)	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10	12 to 10	17.5 to 16	16 to 14	14 to 12	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.6 to 12	17.6 to 16
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-
1,2,4-Trichlorobenzene	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-
1,2,4-Trimethylbenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	0.003	-	-	-	ND (0.0017)	-	ND (0.0013)	-
1,2-Dichlorobenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	0.0017	-	-	-	ND (0.0017)	-	ND (0.0013)	-
1,3-Dichlorobenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
1,4-Dichlorobenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Acetone	ND (0.07)	-	-	-	ND (0.067)	-	ND (0.11)	-	-	ND (0.16)	-	-	-	-	0.1	-	-	-	ND (0.087)	-	ND (0.067)	-
Benzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Chlorobenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Chloroform (Trichloromethane)	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-
Cymene (p-Isopropyltoluene)	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Ethylbenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Isopropylbenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
m,p-Xylenes	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-
Methyl Tert Butyl Ether	ND (0.0028)	-	-	-	ND (0.0027)	-	ND (0.0043)	-	-	ND (0.0064)	-	-	-	-	ND (0.0034)	-	-	-	ND (0.0035)	-	ND (0.0027)	-
Methylene chloride	ND (0.007)	-	-	-	ND (0.0067)	-	ND (0.011)	-	-	ND (0.016)	-	-	-	-	ND (0.0084)	-	-	-	ND (0.0087)	-	ND (0.0067)	-
Naphthalene	ND (0.007)	-	-	-	ND (0.0067)	-	ND (0.011)	-	-	ND (0.016)	-	-	-	-	0.019	-	-	-	ND (0.0087)	-	ND (0.0067)	-
n-Propylbenzene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
o-Xylene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Styrene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Tetrachloroethene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Toluene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
Trichloroethene	ND (0.0014)	-	-	-	ND (0.0013)	-	ND (0.0021)	-	-	ND (0.0032)	-	-	-	-	ND (0.0017)	-	-	-	ND (0.0017)	-	ND (0.0013)	-
SUM of Volatile Organic Compounds	ND	-	-	-	ND	-	ND	-	-	ND	-	-	-	-	0.1237	-	-	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
1,2-Dichlorobenzene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
1,3-Dichlorobenzene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
1,4-Dichlorobenzene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
2,4-Dimethylphenol	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
2,4-Dinitrotoluene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
2,6-Dinitrotoluene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
2-Chloronaphthalene	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
2-Methylnaphthalene	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.22	-	-	-	0.69	-	ND (0.39)	-
2-Methylphenol	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
3&4-Methylphenol	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	0.81	-	ND (0.78)	-
Acenaphthene	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.66	-	-	-	ND (0.38)	-	ND (0.39)	-
Acenaphthylene	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	ND (0.2)	-	-	-	ND (0.38)	-	ND (0.39)	-
Acetophenone	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Aniline	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Anthracene	ND (0.75)	-	-	-	ND (2)	-	1.6	-	-	0.86	-	-	-	-	2.5	-	-	-	0.95	-	0.75	-
Benzo(a)anthracene	ND (0.75)	-	-	-	15	-	3.4	-	-	33	-	-	-	-	4.3	-	-	-	2	-	1.9	-
Benzo(a)pyrene	ND (0.75)	-	-	-	5.2	-	3.1	-	-	11	-	-	-	-	3.3	-	-	-	1.6	-	1.7	-
Benzo(b)fluoranthene	ND (0.75)	-	-	-	9.7	-	3.2	-	-	19	-	-	-	-	4	-	-	-	2	-	2.1	-
Benzo(g,h,i)perylene	ND (0.75)	-	-	-	4.1	-	2.2	-	-	8.7	-	-	-	-	1.7	-	-	-	0.8	-	0.91	-
Benzo(k)fluoranthene	ND (0.75)	-	-	-	ND (2)	-	1.4	-	-	2.6	-	-	-	-	1.4	-	-	-	0.81	-	0.93	-
bis(2-Ethylhexyl)phthalate	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	2.3	-
Butyl benzylphthalate	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ND (0.75)	-	-	-	30	-	3.7	-	-	63	-	-	-	-	4.1	-	-	-	2	-	2	-
Dibenz(a,h)anthracene	ND (0.75)	-	-	-	6	-	1	-	-	13	-	-	-	-	0.5	-	-	-	ND (0.38)	-	ND (0.39)	-
Dibenzofuran	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	0.5	-	-	-	ND (0.76)	-	ND (0.78)	-
Diethyl phthalate	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Di-n-butylphthalate	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Di-n-octyl phthalate	ND (3)	-	-	-	ND (7.7)	-	ND (3)	-	-	ND (3.3)	-	-	-	-	ND (0.77)	-	-	-	ND (1.5)	-	ND (1.5)	-
Fluoranthene	0.91	-	-	-	3.4	-	5.5	-	-	7.8	-	-	-	-	8.2	-	-	-	4.1	-	3.7	-
Fluorene	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.76	-	-	-	0.46	-	ND (0.39)	-
Indeno(1,2,3-cd)pyrene	ND (0.75)	-	-	-	ND (2)	-	1.5	-	-	2.3	-	-	-	-	1.9	-	-	-	0.79	-	0.93	-
Isophorone	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Naphthalene	ND (0.75)	-	-	-	ND (2)	-	ND (0.76)	-	-	ND (0.83)	-	-	-	-	0.34	-	-	-	1.6	-	ND (0.39)	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	0.91	-	-	-	3.6	-	6.6	-	-	6.1	-	-	-	-	8.6	-	-	-	3.6	-	3	-
Phenol	ND (1.5)	-	-	-	ND (3.9)	-	ND (1.5)	-	-	ND (1.7)	-	-	-	-	ND (0.39)	-	-	-	ND (0.76)	-	ND (0.78)	-
Pyrene	1.2	-	-	-	4.9	-	6.9	-	-	9.6	-	-	-	-	8.4	-	-	-	4.5	-	4.4	-
SUM of Semi-Volatile Organic Compounds	3.02	-	-	-	81.9	-	40.1	-	-	176.96	-	-	-	-	51.38	-	-	-	26.71	-	24.62	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A5						A6					A7			A8							
Location Name	A5	A5	A5	A5	A5	A5	A6	A6	A6	A6	A6	A7	A7	A7	A8	A8	A8	A8	A8	A8	A9	A9
Sample Name	A5_S1_0.3-5.9	A5_S3_0.3-1.9	A5_S4_1.9-3.9	A5_S5_3.9-5.9	A5_S2_5.9-7.9	A5_S6_5.9-7.9	A6_S1_1.7-5.9	A6_S3_1.9-3.9	A6_S4_3.9-5.9	A6_S2_5.9-7.9	A6_S5_5.9-7.9	A7_S1_0.6-2.1	A7_S2_2.1-4.1	A7_S3_4.1-6.1	A8_S1_0.6-6.2	A8_S3_0.6-2.2	A8_S4_2.2-4.2	A8_S5_4.2-6.2	A8_S2_6.2-8.2	A8_S6_6.2-8.2	A9_S1_0.7-6.3	A9_S3_0.7-2.3
Sample Date	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/06/2015
Lab Sample ID	15B0241-01 15B0451-01	15B0241-03	15B0241-04	15B0241-05	15B0241-02 15E0549-01	15B0241-06	15B0245-01 15B0454-01	15B0245-03	15B0245-04	15B0245-02 15B0454-02	15B0245-05	15B0248-01	15B0248-02	15B0248-03	15B0244-01	15B0244-03	15B0244-04	15B0244-05	15B0244-02 15B0453-01	15B0244-06	15B0243-01 15B0452-01	15B0243-03
Sample Depth (bgs)	0.3 - 5.9 (ft)	0.3 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	1.7 - 5.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	5.9 - 7.9 (ft)	0.6 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.6 - 6.2 (ft)	0.6 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	6.2 - 8.2 (ft)	0.7 - 6.3 (ft)	0.7 - 2.3 (ft)
Sample Elevation (ft BCB)	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10	12 to 10	17.5 to 16	16 to 14	14 to 12	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.6 to 12	17.6 to 16
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	1700	-	-	-	6500	-	1800	-	-	10000	-	-	-	-	740	-	-	-	820	-	890	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	2.9	-	-	-	5.9	-	5	-	-	9.9	-	-	-	-	3	-	-	-	7.3	-	6	-
Barium	39	-	-	-	78	-	99	-	-	100	-	-	-	-	74	-	-	-	530	-	300	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	1	-	-	-	1.3	-	6.1	-	-	1.4	-	-	-	-	1.2	-	-	-	4.1	-	4.4	-
Chromium	16	-	-	-	15	-	26	-	-	12	-	-	-	-	29	-	-	-	21	-	35	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	72	-	-	-	350	-	600	-	-	460	-	-	-	-	76	-	-	-	810	-	1100	-
Mercury	0.12	-	-	-	0.98	-	0.94	-	-	1.4	-	-	-	-	0.4	-	-	-	1.5	-	1.7	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	ND (5.1)	-	-	-	ND (5.6)	-	ND (5.5)	-	-	ND (6)	-	-	-	-	ND (5.6)	-	-	-	ND (5.4)	-	ND (5.5)	-
Silver	ND (0.51)	-	-	-	ND (0.56)	-	ND (0.55)	-	-	ND (0.6)	-	-	-	-	ND (0.56)	-	-	-	ND (0.54)	-	ND (0.55)	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.12	-	-	-	0.31	-	0.065	-	-	0.25	-	-	-	-	-	-	-	-	0.36	-	0.47	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	-	ND (0.12)	5.1	ND (0.11)	-	0.16	-	0.19	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	0.16	ND (0.11)	-	ND (0.12)	-	ND (0.11)
Aroclor-1254 (PCB-1254)	-	ND (0.12)	5.7	0.14	-	0.22	-	0.29	ND (0.11)	-	ND (0.14)	0.13	0.33	0.13	-	ND (0.11)	0.26	0.11	-	ND (0.12)	-	0.34
Aroclor-1260 (PCB-1260)	-	ND (0.12)	2.1	ND (0.11)	-	0.12	-	0.51	ND (0.11)	-	ND (0.14)	0.19	0.8	ND (0.11)	-	ND (0.11)	0.43	0.18	-	ND (0.12)	-	0.28
Aroclor-1262 (PCB-1262)	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	-	ND (0.12)	ND (1.1)	ND (0.11)	-	ND (0.1)	-	ND (0.11)	ND (0.11)	-	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.12)	-	ND (0.11)
SUM of PCBs	-	ND	12.9	0.14	-	0.5	-	0.99	ND	-	ND	0.32	1.13	0.13	-	ND	0.85	0.29	-	ND	-	0.62
Other																						
Percent Solids, vol. (%wt)	90.6	85.5	90.1	88	86.5	95.6	89.9	89.3	88.9	81.9	72.9	86.7	85.1	90.9	86.9	92.8	85.6	92.7	89.5	85.5	86.7	87.4
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (4)	-	-	-	ND (4)	-	ND (3.9)	-	-	ND (3.9)	-	-	-	-	ND (3.9)	-	-	-	ND (4)	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	ND (20)	-	-	-	ND (20)	-	ND (19)	-	-	ND (20)	-	-	-	-	ND (19)	-	-	-	ND (20)	-	ND (19)	-
Oxidation reduction potential (mv)	25	-	-	-	64	-	110	-	-	130	-	-	-	-	75	-	-	-	120	-	93	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	NI	-	NI	-	-	NI	-	-	-	-	NI	-	-	-	NI	-	NI	-
pH Corrosivity (pH units)	11	-	-	-	7.8	-	9.2	-	-	7.3	-	-	-	-	12	-	-	-	8.6	-	10	-
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A9				B10					B11											
Location Name	A9	A9	A9	A9	B10	B10	B10	B10	B10	B11	B11	B11	B11	B11	B12	B12	B12	B12	B12	B12	B12
Sample Name	A9_S4_2.3-4.3	A9_S5_4.3-6.3	A9_S2_6.3-8.3	A9_S6_6.3-8.3	B10_S1_0.9-6.6	B10_S2_0.9-2.6	B10_S3_2.6-4.6	B10_S4_4.6-6.6	B10_S5_6.6-8.6	B11_S1_0.9-6.5	B11_S5_0.9-2.5	B11_S2_2.5-4.5	B11_S3_4.5-6.5	B11_S4_6.5-8.5	B12_S1_0.8-2	B12_S14_0.8-14	B12_S2_2-4	B12_S3_4-6	B12_S4_6-8	B12_S5_8-10	B12_S6_10-12
Sample Date	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010
Lab Sample ID	15B0243-04	15B0243-05	15B0243-02 15B0452-02	15B0243-06	15B0163-01 15B0391-01	15B0163-02	15B0163-03	15B0523-01	15B0523-02	15B0162-01 15B0390-01	15B0162-05	15B0162-02	15B0524-01	15B0524-02	134745-1	134745-14 134745-38 134745-43 134934-1	134745-2	134745-3	134745-4	134745-5	134745-6
Sample Depth (bgs)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	6.3 - 8.3 (ft)	0.9 - 6.6 (ft)	0.9 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.9 - 6.5 (ft)	0.9 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.8 - 2 (ft)	0.8 - 14 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	12 to 10	17.7 to 12	17.7 to 16	16 to 14	14 to 12	12 to 10	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	17.2 to 4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	ND (0.0023)	-	ND (0.003)	-	-	-	-	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.0023)	-	ND (0.003)	-	-	-	-	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Acetone	-	-	ND (0.059)	-	ND (0.074)	-	-	-	-	ND (0.12)	-	-	-	-	-	ND (0.2)	-	-	-	-	-
Benzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	0.01	-	-	-	-	-
Chlorobenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.0023)	-	ND (0.003)	-	-	-	-	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	0.005	-	-	-	-	-
Ethylbenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
m,p-Xylenes	-	-	ND (0.0023)	-	ND (0.003)	-	-	-	-	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.0023)	-	ND (0.003)	-	-	-	-	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Methylene chloride	-	-	ND (0.0059)	-	ND (0.0074)	-	-	-	-	ND (0.012)	-	-	-	-	-	ND (0.05)	-	-	-	-	-
Naphthalene	-	-	ND (0.0059)	-	ND (0.0074)	-	-	-	-	ND (0.012)	-	-	-	-	-	0.017	-	-	-	-	-
n-Propylbenzene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
o-Xylene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Styrene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Toluene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	0.007	-	-	-	-	-
Trichloroethene	-	-	ND (0.0012)	-	ND (0.0015)	-	-	-	-	ND (0.0025)	-	-	-	-	-	ND (0.005)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	ND	-	ND	-	-	-	-	ND	-	-	-	-	-	0.039	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
2,4-Dimethylphenol	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
2,4-Dinitrotoluene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
2,6-Dinitrotoluene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
2-Chloronaphthalene	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
2-Methylnaphthalene	-	-	ND (0.37)	-	0.21	-	-	-	-	0.36	-	-	-	-	-	ND (0.37)	-	-	-	-	-
2-Methylphenol	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
3&4-Methylphenol	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Acenaphthene	-	-	ND (0.37)	-	0.34	-	-	-	-	0.83	-	-	-	-	-	0.63	-	-	-	-	-
Acenaphthylene	-	-	ND (0.37)	-	ND (0.2)	-	-	-	-	ND (0.2)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Acetophenone	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Aniline	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Anthracene	-	-	0.47	-	0.74	-	-	-	-	1.5	-	-	-	-	-	0.98	-	-	-	-	-
Benzo(a)anthracene	-	-	2.1	-	1.3	-	-	-	-	3	-	-	-	-	-	1.8	-	-	-	-	-
Benzo(a)pyrene	-	-	2	-	1.1	-	-	-	-	2.6	-	-	-	-	-	1.4	-	-	-	-	-
Benzo(b)fluoranthene	-	-	2.1	-	1.4	-	-	-	-	3.3	-	-	-	-	-	2.2	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	1.1	-	0.81	-	-	-	-	2	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Benzo(k)fluoranthene	-	-	0.85	-	0.51	-	-	-	-	1.3	-	-	-	-	-	0.79	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (0.74)	-	0.53	-	-	-	-	1.8	-	-	-	-	-	1.4	-	-	-	-	-
Butyl benzylphthalate	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-
Chrysene	-	-	2.1	-	1.3	-	-	-	-	3.2	-	-	-	-	-	1.6	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	ND (0.37)	-	0.24	-	-	-	-	0.62	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Dibenzofuran	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	0.76	-	-	-	-	-	0.49	-	-	-	-	-
Diethyl phthalate	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Di-n-butylphthalate	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Di-n-octyl phthalate	-	-	ND (1.4)	-	ND (0.78)	-	-	-	-	ND (0.8)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Fluoranthene	-	-	3.4	-	3.1	-	-	-	-	6.7	-	-	-	-	-	3.5	-	-	-	-	-
Fluorene	-	-	ND (0.37)	-	0.33	-	-	-	-	0.76	-	-	-	-	-	0.57	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	1	-	0.95	-	-	-	-	2.1	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Isophorone	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Naphthalene	-	-	ND (0.37)	-	0.36	-	-	-	-	0.77	-	-	-	-	-	0.83	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Phenanthrene	-	-	2.6	-	2.7	-	-	-	-	6	-	-	-	-	-	4	-	-	-	-	-
Phenol	-	-	ND (0.74)	-	ND (0.4)	-	-	-	-	ND (0.4)	-	-	-	-	-	ND (0.37)	-	-	-	-	-
Pyrene	-	-	4.8	-	2.9	-	-	-	-	5.7	-	-	-	-	-	3.7	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	22.52	-	18.82	-	-	-	-	43.3	-	-	-	-	-	24.43	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	A9				B10					B11											
Location Name	A9	A9	A9	A9	B10	B10	B10	B10	B10	B11	B11	B11	B11	B11	B12	B12	B12	B12	B12	B12	B12
Sample Name	A9_S4_2.3-4.3	A9_S5_4.3-6.3	A9_S2_6.3-8.3	A9_S6_6.3-8.3	B10_S1_0.9-6.6	B10_S2_0.9-2.6	B10_S3_2.6-4.6	B10_S4_4.6-6.6	B10_S5_6.6-8.6	B11_S1_0.9-6.5	B11_S5_0.9-2.5	B11_S2_2.5-4.5	B11_S3_4.5-6.5	B11_S4_6.5-8.5	B12_S1_0.8-2	B12_S14_0.8-14	B12_S2_2-4	B12_S3_4-6	B12_S4_6-8	B12_S5_8-10	B12_S6_10-12
Sample Date	02/06/2015	02/06/2015	02/06/2015	02/06/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010
Lab Sample ID	15B0243-04	15B0243-05	15B0243-02 15B0452-02	15B0243-06	15B0163-01 15B0391-01	15B0163-02	15B0163-03	15B0523-01	15B0523-02	15B0162-01 15B0390-01	15B0162-05	15B0162-02	15B0524-01	15B0524-02	134745-1	134745-14 134745-38 134745-43 134934-1	134745-2	134745-3	134745-4	134745-5	134745-6
Sample Depth (bgs)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	6.3 - 8.3 (ft)	0.9 - 6.6 (ft)	0.9 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.9 - 6.5 (ft)	0.9 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.8 - 2 (ft)	0.8 - 14 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	12 to 10	17.7 to 12	17.7 to 16	16 to 14	14 to 12	12 to 10	17.6 to 12	17.6 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	17.2 to 4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	460	-	1500	-	-	-	-	750	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-
Arsenic	-	-	4.7	-	3.9	-	-	-	-	8.5	-	-	-	-	-	ND (3.5)	-	-	-	-	-
Barium	-	-	150	-	280	-	-	-	-	2700	-	-	-	-	-	230	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-
Cadmium	-	-	1.4	-	4.9	-	-	-	-	5.3	-	-	-	-	-	5.5	-	-	-	-	-
Chromium	-	-	25	-	61	-	-	-	-	28	-	-	-	-	-	29	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	740	-	950	-	-	-	-	6500	-	-	-	-	-	1400	-	-	-	-	-
Mercury	-	-	1.3	-	1.6	-	-	-	-	0.34	-	-	-	-	-	0.25	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-
Selenium	-	-	ND (5.2)	-	ND (5.5)	-	-	-	-	ND (5.7)	-	-	-	-	-	6.2	-	-	-	-	-
Silver	-	-	ND (0.52)	-	2	-	-	-	-	ND (0.57)	-	-	-	-	-	ND (1.2)	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	0.34	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	0.35	-	0.16	-	-	-	-	0.027	-	-	-	-	-	0.7	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (4.7)	ND (0.12)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1221 (PCB-1221)	ND (4.7)	ND (0.12)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1232 (PCB-1232)	ND (4.7)	ND (0.12)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1242 (PCB-1242)	ND (4.7)	ND (0.12)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1248 (PCB-1248)	12	0.21	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1254 (PCB-1254)	23	0.4	-	ND (0.12)	-	0.33	0.32	50	ND (0.11)	-	ND (0.11)	0.54	5.2	ND (0.11)	0.13	-	1.2	0.28	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1260 (PCB-1260)	12	0.19	-	ND (0.12)	-	ND (0.11)	0.74	28	ND (0.11)	-	0.34	0.79	7.8	ND (0.11)	0.14	-	0.84	0.21	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1262 (PCB-1262)	ND (4.7)	ND (0.12)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
Aroclor-1268 (PCB-1268)	ND (4.7)	ND (0.12)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	ND (12)	ND (0.11)	-	ND (0.11)	ND (0.12)	ND (1.2)	ND (0.11)	ND (0.044)	-	ND (0.46)	ND (0.079)	ND (0.052)	ND (0.055)	ND (0.097)
SUM of PCBs	47	0.8	-	ND	-	0.33	1.06	78	ND	-	0.34	1.33	13	ND	0.27	-	2.04	0.49	ND	ND	ND
Other																					
Percent Solids, vol. (%wt)	85.2	84.9	92.2	83.3	85.9	92.4	84.9	82.4	87.3	84	89	84.1	84.6	88	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (3.9)	-	ND (3.9)	-	-	-	-	ND (3.9)	-	-	-	-	-	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (19)	-	ND (19)	-	-	-	-	ND (19)	-	-	-	-	-	ND (100)	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	120	-	87	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	NI	-	NI	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	7.7	-	11	-	-	-	-	11	-	-	-	-	-	9.7	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B12							B13										
Location Name	B12	B12	B12	B12	B12	B12	B12	B13	B13	B13	B13	B13	B13	B13	B13	B13	B13	B13
Sample Name	B12_S7_12-14	B12_S8_14-16	B12_S9_16-18	B12_S10_18-20	B12_S11_20-22	B12_S12_22-23.2	B12_S13_23.2-24	B13_S1_0.6-4.1	B13_S2_4.1-6.1	B13_S5_4.1-10.1	B13_S3_6.1-8.1	B13_S4_8.1-10.1	B13_S6_10.1-12.1	B13_S7_12.1-14.1	B13_S8_14.1-16.1	B13_S9_16.1-18.1	B13_S10_18.1-20.1	B13_S11_20.1-22.1
Sample Date	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010
Lab Sample ID	134745-7	134745-8	134745-9	134745-10	134745-11	134745-12	134745-13	134745-15 134745-39 134745-44	134745-16	134745-18 134745-40 134745-45 134934-2 134934-3	134745-17	134745-19	134745-20	134745-21	134745-22	134745-23	134745-24	134745-25
Sample Depth (bgs)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	0.6 - 4.1 (ft)	4.1 - 6.1 (ft)	4.1 - 10.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)	14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	17.6 to 14.1	14.1 to 12.1	14.1 to 8.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.24)	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	ND (0.063)	-	ND (0.06)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	0.016	-	ND (0.006)	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	0.016	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	ND (0.42)	-	0.88	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	ND (0.42)	-	0.82	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	0.48	-	1	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	ND (0.42)	-	0.49	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	ND (0.42)	-	0.43	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	0.46	-	0.92	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	0.95	-	1.6	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	ND (0.42)	-	0.57	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	1.1	-	1.4	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.4)	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	0.65	-	1.4	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	3.64	-	9.51	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B12							B13										
Location Name	B12	B12	B12	B12	B12	B12	B12	B13	B13	B13	B13	B13	B13	B13	B13	B13	B13	B13
Sample Name	B12_S7_12-14	B12_S8_14-16	B12_S9_16-18	B12_S10_18-20	B12_S11_20-22	B12_S12_22-23.2	B12_S13_23.2-24	B13_S1_0.6-4.1	B13_S2_4.1-6.1	B13_S5_4.1-10.1	B13_S3_6.1-8.1	B13_S4_8.1-10.1	B13_S6_10.1-12.1	B13_S7_12.1-14.1	B13_S8_14.1-16.1	B13_S9_16.1-18.1	B13_S10_18.1-20.1	B13_S11_20.1-22.1
Sample Date	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010
Lab Sample ID	134745-7	134745-8	134745-9	134745-10	134745-11	134745-12	134745-13	134745-15 134745-39 134745-44	134745-16	134745-18 134745-40 134745-45 134934-2 134934-3	134745-17	134745-19	134745-20	134745-21	134745-22	134745-23	134745-24	134745-25
Sample Depth (bgs)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	0.6 - 4.1 (ft)	4.1 - 6.1 (ft)	4.1 - 10.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)	14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	17.6 to 14.1	14.1 to 12.1	14.1 to 8.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	440	-	300	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	560	-	460	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	ND (39)	-	ND (36)	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	ND (1.3)	-	54	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	ND (3.8)	-	ND (3.6)	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	42	-	270	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	ND (0.38)	-	ND (0.36)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	0.96	-	9.2	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	24	-	65	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	61	-	5000	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	0.035	-	0.058	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	11	-	79	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	ND (6.4)	-	8.4	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	ND (6.4)	-	27	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	32	-	33	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	67	-	1400	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1221 (PCB-1221)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1232 (PCB-1232)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1242 (PCB-1242)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1248 (PCB-1248)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1254 (PCB-1254)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	1	0.84	0.28	0.58	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1260 (PCB-1260)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	0.65	0.48	0.19	0.36	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1262 (PCB-1262)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
Aroclor-1268 (PCB-1268)	ND (0.055)	ND (0.052)	ND (0.052)	ND (0.06)	ND (0.056)	ND (0.058)	ND (0.061)	ND (0.52)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.046)	ND (0.064)	ND (0.069)	ND (0.047)	ND (0.068)	ND (0.066)
SUM of PCBs	ND	ND	ND	ND	ND	ND	ND	1.65	1.32	0.47	0.94	ND	ND	ND	ND	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	500	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	10	-	10	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.9)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		B14											B15						
Location Name	B13	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B15	B15	B15	B15	B15	B15	B15
Sample Name	B13_S12_22.1-24.1	B14_S1_1.5-2.3	B14_S2_4-5.5	B14_S7_4-13.5	B14_S3_5.5-7.5	B14_S4_7.5-9.5	B14_S5_9.5-11.5	B14_S6_11.5-13.5	B14_S8_13.5-15.5	B14_S9_15.5-17.5	B14_S10_17.5-19.5	B14_S11_19.5-21.5	B15_S1_2.5-3.5	B15_S6_2.5-12.5	B15_S2_3.5-5.5	B15_S3_5.5-7.5	B15_S4_7.5-9.5	B15_S5_9.5-11.5	B15_S7_11.5-13.5
Sample Date	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010
		134745-27																	
		134745-41		134745-33										134789-32					
		134745-46		134745-42										134789-35					
		134934-4		134745-47										134789-39					
Lab Sample ID	134745-26	134934-6	134745-28	134934-5	134745-29	134745-30	134745-31	134745-32	134745-34	134745-35	134745-36	134745-37	134789-17	134958-4	134789-18	134789-19	134789-20	134789-21	134789-22
Sample Depth (bgs)	22.1 - 24.1 (ft)	1.5 - 2.3 (ft)	4 - 5.5 (ft)	4 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2.5 - 3.5 (ft)	2.5 - 12.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)
Sample Elevation (ft BCB)	-3.9 to -5.9	16 to 15.2	13.5 to 12	13.5 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15 to 14	15 to 5	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Acetone	-	ND (0.2)	-	ND (0.32)	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-
Benzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Chlorobenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Ethylbenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Isopropylbenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
m,p-Xylenes	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Methylene chloride	-	ND (0.05)	-	ND (0.08)	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-
Naphthalene	-	0.023	-	0.017	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
n-Propylbenzene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
o-Xylene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Styrene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Tetrachloroethene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Toluene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
Trichloroethene	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	0.023	-	0.017	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
2-Methylnaphthalene	-	0.98	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
2-Methylphenol	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
3&4-Methylphenol	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Acenaphthene	-	4.7	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Acenaphthylene	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Acetophenone	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Aniline	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Anthracene	-	19	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.54	-	-	-	-	-
Benzo(a)anthracene	-	25	-	0.55	-	-	-	-	-	-	-	-	-	0.83	-	-	-	-	-
Benzo(a)pyrene	-	18	-	0.47	-	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-
Benzo(b)fluoranthene	-	24	-	0.65	-	-	-	-	-	-	-	-	-	0.86	-	-	-	-	-
Benzo(g,h,i)perylene	-	0.86	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-
Benzo(k)fluoranthene	-	11	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	0.94	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Carbazole	-	6	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Chrysene	-	23	-	0.6	-	-	-	-	-	-	-	-	-	0.78	-	-	-	-	-
Dibenz(a,h)anthracene	-	0.48	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Dibenzofuran	-	3.5	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Diethyl phthalate	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Fluoranthene	-	69	-	1.4	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-
Fluorene	-	6.1	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	1.6	-	ND (0.44)	-	-	-	-	-	-	-	-	-	0.46	-	-	-	-	-
Isophorone	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Naphthalene	-	1.6	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Phenanthrene	-	67	-	1.4	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-
Phenol	-	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Pyrene	-	46	-	1.1	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	328.76	-	6.17	-	-	-	-	-	-	-	-	-	10.49	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		B14											B15						
Location Name	B13	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B14	B15	B15	B15	B15	B15	B15	B15
Sample Name	B13_S12_22.1-24.1	B14_S1_1.5-2.3	B14_S2_4-5.5	B14_S7_4-13.5	B14_S3_5.5-7.5	B14_S4_7.5-9.5	B14_S5_9.5-11.5	B14_S6_11.5-13.5	B14_S8_13.5-15.5	B14_S9_15.5-17.5	B14_S10_17.5-19.5	B14_S11_19.5-21.5	B15_S1_2.5-3.5	B15_S6_2.5-12.5	B15_S2_3.5-5.5	B15_S3_5.5-7.5	B15_S4_7.5-9.5	B15_S5_9.5-11.5	B15_S7_11.5-13.5
Sample Date	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/14/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010
Lab Sample ID	134745-26	134745-27 134745-41 134745-46 134934-4 134934-6	134745-28	134745-33 134745-42 134745-47 134934-5	134745-29	134745-30	134745-31	134745-32	134745-34	134745-35	134745-36	134745-37	134789-17	134789-32 134789-35 134789-39 134958-4	134789-18	134789-19	134789-20	134789-21	134789-22
Sample Depth (bgs)	22.1 - 24.1 (ft)	1.5 - 2.3 (ft)	4 - 5.5 (ft)	4 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2.5 - 3.5 (ft)	2.5 - 12.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)
Sample Elevation (ft BCB)	-3.9 to -5.9	16 to 15.2	13.5 to 12	13.5 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	15 to 14	15 to 5	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	240	-	72	-	-	-	-	-	-	-	-	-	890	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	360	-	78	-	-	-	-	-	-	-	-	-	98	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (35)	-	ND (39)	-	-	-	-	-	-	-	-	-	ND (35)	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	12	-	2	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-
Arsenic	-	13	-	ND (4.1)	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	-
Barium	-	190	-	130	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-
Beryllium	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-
Cadmium	-	5.3	-	0.98	-	-	-	-	-	-	-	-	-	0.89	-	-	-	-	-
Chromium	-	37	-	15	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	1400	-	350	-	-	-	-	-	-	-	-	-	230	-	-	-	-	-
Mercury	-	0.56	-	0.24	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-
Nickel	-	35	-	12	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-
Selenium	-	ND (5.8)	-	ND (6.8)	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-
Silver	-	ND (1.2)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	-	-
Thallium	-	8.8	-	ND (6.8)	-	-	-	-	-	-	-	-	-	ND (5.9)	-	-	-	-	-
Vanadium	-	43	-	19	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
Zinc	-	1100	-	470	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.6	-	ND (0.3)	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1221 (PCB-1221)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1232 (PCB-1232)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1242 (PCB-1242)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1248 (PCB-1248)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1254 (PCB-1254)	ND (0.058)	1.8	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	0.14	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1260 (PCB-1260)	ND (0.058)	1.1	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	0.091	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1262 (PCB-1262)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
Aroclor-1268 (PCB-1268)	ND (0.058)	ND (0.46)	ND (0.05)	-	ND (0.048)	ND (0.058)	ND (0.082)	ND (0.05)	ND (0.081)	ND (0.055)	ND (0.058)	ND (0.058)	ND (0.047)	-	ND (0.059)	ND (0.051)	ND (0.05)	ND (0.07)	ND (0.06)
SUM of PCBs	ND	2.9	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	0.231	-	ND	ND	ND	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-
Oxidation reduction potential (mv)	-	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	11	-	10	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.3)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	1.6	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.3)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				B16															
Location Name	B15	B15	B15	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16A	B16A	B17	B17	B17
Sample Name	B15_S8_13.5-15.5	B15_S9_17.5-19.5	B15_S10_19.5-21.5	B16_S1_2-3.5	B16_S6_2-11.5	B16_S2_3.5-5.5	B16_S3_5.5-7.5	B16_S4_7.5-9.5	B16_S5_9.5-11.5	B16_S7_11.5-13.5	B16_S8_13.5-15.5	B16_S9_15.5-17.5	B16_S10_17.5-19.5	B16_S11_19.5-21.5	B16A_S1_0.7-7.5	B16A_S2_7.5-13.5	B17_S1_1-3	B17_S2_3-5	B17_S3_5-7
Sample Date	07/15/2010	07/15/2010	07/15/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	02/05/2015	02/05/2015	07/15/2010	07/15/2010	07/15/2010
Lab Sample ID	134789-23	134789-24	134789-25	134718-14	134718-27 134718-31 134718-35 134936-3 134936-5	134718-15	134718-16	134718-17	134718-18	134718-19	134718-20	134718-21	134718-22	134718-23	15B0159-01 15B0388-01	15B0159-02 15B0388-02	134789-30 134789-36 134789-40 134958-2	134789-26	134789-27
Sample Depth (bgs)	13.5 - 15.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2 - 3.5 (ft)	2 - 11.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	0.7 - 7.5 (ft)	7.5 - 13.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)
Sample Elevation (ft BCB)	4 to 2	0 to -2	-2 to -4	15.5 to 14	15.5 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10	10 to 4	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Acetone	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.094)	ND (0.084)	ND (0.2)	-	-
Benzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Chlorobenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Chloroform (Trichloromethane)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Ethylbenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Isopropylbenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
m,p-Xylenes	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-
Methyl Tert Butyl Ether	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	ND (0.0034)	ND (0.005)	-	-
Methylene chloride	-	-	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.0094)	ND (0.0084)	ND (0.05)	-	-
Naphthalene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	0.02	ND (0.0084)	ND (0.005)	-	-
n-Propylbenzene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
o-Xylene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Styrene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Tetrachloroethene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Toluene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
Trichloroethene	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	ND (0.0017)	ND (0.005)	-	-
SUM of Volatile Organic Compounds	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	0.02	ND	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
2,4-Dimethylphenol	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
2,4-Dinitrotoluene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
2,6-Dinitrotoluene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
2-Chloronaphthalene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
2-Methylnaphthalene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.26)	ND (0.37)	-	-
2-Methylphenol	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
3&4-Methylphenol	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.48	ND (0.52)	ND (0.37)	-	-
Acenaphthene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.28	0.55	ND (0.37)	-	-
Acenaphthylene	-	-	-	-	0.67	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.26)	ND (0.37)	-	-
Acetophenone	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Aniline	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Anthracene	-	-	-	-	0.97	-	-	-	-	-	-	-	-	-	0.61	1.4	ND (0.37)	-	-
Benzo(a)anthracene	-	-	-	-	3.8	-	-	-	-	-	-	-	-	-	0.98	1.5	ND (0.37)	-	-
Benzo(a)pyrene	-	-	-	-	3.7	-	-	-	-	-	-	-	-	-	0.93	1.3	ND (0.37)	-	-
Benzo(b)fluoranthene	-	-	-	-	6.2	-	-	-	-	-	-	-	-	-	1.3	1.6	ND (0.37)	-	-
Benzo(g,h,i)perylene	-	-	-	-	0.98	-	-	-	-	-	-	-	-	-	0.8	0.76	ND (0.37)	-	-
Benzo(k)fluoranthene	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	0.46	0.62	ND (0.37)	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Carbazole	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-
Chrysene	-	-	-	-	4	-	-	-	-	-	-	-	-	-	1.1	1.6	ND (0.37)	-	-
Dibenz(a,h)anthracene	-	-	-	-	0.41	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.26)	ND (0.37)	-	-
Dibenzofuran	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	0.52	ND (0.37)	-	-
Diethyl phthalate	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Di-n-butylphthalate	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Di-n-octyl phthalate	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.8)	ND (1)	ND (0.37)	-	-
Fluoranthene	-	-	-	-	5.8	-	-	-	-	-	-	-	-	-	2.6	4.4	0.67	-	-
Fluorene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.31	0.86	ND (0.37)	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	0.81	0.85	ND (0.37)	-	-
Isophorone	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Naphthalene	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	0.23	0.29	ND (0.37)	-	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-
Phenanthrene	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-	2.3	4.9	0.47	-	-
Phenol	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.4)	ND (0.52)	ND (0.37)	-	-
Pyrene	-	-	-	-	5.6	-	-	-	-	-	-	-	-	-	2.3	3.6	0.52	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	37.93	-	-	-	-	-	-	-	-	-	15.49	24.75	1.66	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				B16															
Location Name	B15	B15	B15	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16	B16A	B16A	B17	B17	B17
Sample Name	B15_S8_13.5-15.5	B15_S9_17.5-19.5	B15_S10_19.5-21.5	B16_S1_2-3.5	B16_S6_2-11.5	B16_S2_3.5-5.5	B16_S3_5.5-7.5	B16_S4_7.5-9.5	B16_S5_9.5-11.5	B16_S7_11.5-13.5	B16_S8_13.5-15.5	B16_S9_15.5-17.5	B16_S10_17.5-19.5	B16_S11_19.5-21.5	B16A_S1_0.7-7.5	B16A_S2_7.5-13.5	B17_S1_1-3	B17_S2_3-5	B17_S3_5-7
Sample Date	07/15/2010	07/15/2010	07/15/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	02/05/2015	02/05/2015	07/15/2010	07/15/2010	07/15/2010
Lab Sample ID	134789-23	134789-24	134789-25	134718-14	134718-27 134718-31 134718-35 134936-3 134936-5	134718-15	134718-16	134718-17	134718-18	134718-19	134718-20	134718-21	134718-22	134718-23	15B0159-01 15B0388-01	15B0159-02 15B0388-02	134789-30 134789-36 134789-40 134958-2	134789-26	134789-27
Sample Depth (bgs)	13.5 - 15.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	2 - 3.5 (ft)	2 - 11.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	0.7 - 7.5 (ft)	7.5 - 13.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)
Sample Elevation (ft BCB)	4 to 2	0 to -2	-2 to -4	15.5 to 14	15.5 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10	10 to 4	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	730	260	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-	-	150	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	170	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	57	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-
Arsenic	-	-	-	-	ND (3.5)	-	-	-	-	-	-	-	-	-	9.8	12	ND (3.4)	-	-
Barium	-	-	-	-	150	-	-	-	-	-	-	-	-	-	160	260	57	-	-
Beryllium	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-
Cadmium	-	-	-	-	10	-	-	-	-	-	-	-	-	-	3.1	5.1	1.6	-	-
Chromium	-	-	-	-	170	-	-	-	-	-	-	-	-	-	19	18	11	-	-
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	2300	-	-	-	-	-	-	-	-	-	4500	1800	470	-	-
Mercury	-	-	-	-	0.19	-	-	-	-	-	-	-	-	-	0.52	2.2	0.13	-	-
Nickel	-	-	-	-	93	-	-	-	-	-	-	-	-	-	-	-	10	-	-
Selenium	-	-	-	-	ND (7)	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (7.1)	ND (5.6)	-	-
Silver	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (0.55)	ND (0.71)	ND (1.1)	-	-
Thallium	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-
Vanadium	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	26	-	-
Zinc	-	-	-	-	1000	-	-	-	-	-	-	-	-	-	-	-	230	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	12	0.11	0.5	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.055)	ND (0.05)	ND (0.067)	45	-	130	49	0.66	3.3	47	ND (0.051)	0.13	ND (0.057)	ND (0.055)	-	-	7.2	5.4	0.19
Aroclor-1260 (PCB-1260)	ND (0.055)	ND (0.05)	ND (0.067)	26	-	78	28	0.33	1.8	26	ND (0.051)	0.072	ND (0.057)	ND (0.055)	-	-	3.8	4.3	0.17
Aroclor-1262 (PCB-1262)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.055)	ND (0.05)	ND (0.067)	ND (9.7)	-	ND (22)	ND (5)	ND (0.051)	ND (0.99)	ND (5)	ND (0.051)	ND (0.054)	ND (0.057)	ND (0.055)	-	-	ND (1.1)	ND (1.3)	ND (0.053)
SUM of PCBs	ND	ND	ND	71	-	208	77	0.99	5.1	73	ND	0.202	ND	ND	-	-	11	9.7	0.36
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84.2	65.6	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	ND (4)	ND (50)	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	ND (20)	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	420	-	-	-	-	-	-	-	-	-	57	78	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	NI	-	-	-
pH Corrosivity (pH units)	-	-	-	-	6.7	-	-	-	-	-	-	-	-	-	9.5	7.8	8.5	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B17						B18											B19				
Location Name	B17	B17	B17	B17	B17	B17	B18	B18	B18	B18	B18	B18	B18	B18	B18	B18	B18	B19	B19	B19	B19	B19
Sample Name	B17_S4_7-9	B17_S6_3-13	B17_S5_11-13	B17_S7_13-15	B17_S8_17-19	B17_S9_21-23	B18_S1_0.5-2.2	B18_S11_2.6-11	B18_S2_2.6-3	B18_S3_3-5	B18_S4_7-9	B18_S5_9-11	B18_S6_11-13	B18_S7_15-17	B18_S8_17-19	B18_S9_19-21	B18_S10_21.5-23	B19_S1_0.5-1	B19_S2_1-3	B19_S3_3-5	B19_S4_5-7	B19_S5_7-9
Sample Date	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010
Lab Sample ID	134789-28	134834-15 134834-17 134834-2 135005-1	134834-1	134834-3	134834-4	134834-5	134789-29 134789-33 134789-37 134958-1	134789-31 134789-34 134789-38 134958-3	134789-1	134789-2	134789-3	134789-4	134789-5	134789-6	134789-7	134789-8	134789-9	134789-10	134789-11	134789-12	134789-13	134789-14
Sample Depth (bgs)	7 - 9 (ft)	3 - 13 (ft)	11 - 13 (ft)	13 - 15 (ft)	17 - 19 (ft)	21 - 23 (ft)	0.5 - 2.2 (ft)	2.6 - 11 (ft)	2.6 - 3 (ft)	3 - 5 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21.5 - 23 (ft)	0.5 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)	10 to 8	14 to 4	6 to 4	4 to 2	0 to -2	-4 to -6	16.5 to 14.8	14.4 to 6	14.4 to 14	14 to 12	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-4.5 to -6	16.5 to 16	16 to 14	14 to 12	12 to 10	10 to 8
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	ND (0.2)	-	-	-	-	ND (0.2)	ND (0.23)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	ND (0.05)	-	-	-	-	ND (0.05)	ND (0.057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	ND (0.005)	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	ND (0.38)	-	-	-	-	ND (0.35)	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	ND (0.38)	-	-	-	-	ND (0.35)	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	ND (0.38)	-	-	-	-	ND (0.35)	0.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	0.5	-	-	-	-	0.35	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	1	-	-	-	-	0.89	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	0.77	-	-	-	-	0.77	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	0.88	-	-	-	-	0.99	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	ND (0.38)	-	-	-	-	0.38	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	ND (0.38)	-	-	-	-	ND (0.35)	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	1.2	-	-	-	-	0.89	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	ND (0.38)	-	-	-	-	ND (0.35)	0.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	0.86	-	-	-	-	0.98	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	ND (0.38)	-	-	-	-	ND (0.35)	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	2.3	-	-	-	-	1.9	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	ND (0.38)	-	-	-	-	ND (0.35)	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	0.46	-	-	-	-	0.49	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	ND (0.38)	-	-	-	-	ND (0.35)	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	2.2	-	-	-	-	1.6	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	2.3	-	-	-	-	1.7	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	12.47	-	-	-	-	10.94	45.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B17						B18											B19				
Location Name	B17	B17	B17	B17	B17	B17	B18	B18	B18	B18	B18	B18	B18	B18	B18	B18	B18	B19	B19	B19	B19	B19
Sample Name	B17_S4_7-9	B17_S6_3-13	B17_S5_11-13	B17_S7_13-15	B17_S8_17-19	B17_S9_21-23	B18_S1_0.5-2.2	B18_S11_2.6-11	B18_S2_2.6-3	B18_S3_3-5	B18_S4_7-9	B18_S5_9-11	B18_S6_11-13	B18_S7_15-17	B18_S8_17-19	B18_S9_19-21	B18_S10_21.5-23	B19_S1_0.5-1	B19_S2_1-3	B19_S3_3-5	B19_S4_5-7	B19_S5_7-9
Sample Date	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010	07/15/2010
Lab Sample ID	134789-28	134834-15 134834-17 134834-2 135005-1	134834-1	134834-3	134834-4	134834-5	134789-29 134789-33 134789-37 134958-1	134789-31 134789-34 134789-38 134958-3	134789-1	134789-2	134789-3	134789-4	134789-5	134789-6	134789-7	134789-8	134789-9	134789-10	134789-11	134789-12	134789-13	134789-14
Sample Depth (bgs)	7 - 9 (ft)	3 - 13 (ft)	11 - 13 (ft)	13 - 15 (ft)	17 - 19 (ft)	21 - 23 (ft)	0.5 - 2.2 (ft)	2.6 - 11 (ft)	2.6 - 3 (ft)	3 - 5 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21.5 - 23 (ft)	0.5 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)	10 to 8	14 to 4	6 to 4	4 to 2	0 to -2	-4 to -6	16.5 to 14.8	14.4 to 6	14.4 to 14	14 to 12	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-4.5 to -6	16.5 to 16	16 to 14	14 to 12	12 to 10	10 to 8
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	100	-	-	-	-	170	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	110	-	-	-	-	170	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (34)	-	-	-	-	ND (33)	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																						
Antimony	-	7.5	-	-	-	-	18	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	ND (3.5)	-	-	-	-	ND (3.6)	ND (3.7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	49	-	-	-	-	140	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	ND (0.35)	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	1.6	-	-	-	-	7.4	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	8.9	-	-	-	-	23	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	570	-	-	-	-	1900	630	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	0.31	-	-	-	-	0.51	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	13	-	-	-	-	27	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (5.8)	-	-	-	-	ND (6)	ND (7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	ND (1.2)	-	-	-	-	ND (1.2)	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	6.7	-	-	-	-	8	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	12	-	-	-	-	46	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	140	-	-	-	-	750	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	1.5	-	-	-	-	0.4	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
Aroclor-1221 (PCB-1221)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
Aroclor-1232 (PCB-1232)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
Aroclor-1242 (PCB-1242)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
Aroclor-1248 (PCB-1248)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
Aroclor-1254 (PCB-1254)	8.1	-	1.6	0.27	ND (0.063)	ND (0.064)	12	-	180	3.9	0.21	2.5	0.85	ND (0.051)	ND (0.052)	ND (0.06)	0.26	0.074	12	7.4	ND (0.052)	ND (0.049)
Aroclor-1260 (PCB-1260)	9.8	-	1.1	0.17	ND (0.063)	ND (0.064)	7.1	-	100	2	0.14	1.5	0.71	ND (0.051)	ND (0.052)	ND (0.06)	0.19	0.053	ND (8.3)	3.5	ND (0.052)	ND (0.049)
Aroclor-1262 (PCB-1262)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
Aroclor-1268 (PCB-1268)	ND (1.3)	-	ND (0.048)	ND (0.043)	ND (0.063)	ND (0.064)	ND (1.1)	-	ND (45)	ND (1.2)	ND (0.055)	ND (1.1)	ND (0.068)	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.064)	ND (0.042)	ND (8.3)	ND (2.5)	ND (0.052)	ND (0.049)
SUM of PCBs	17.9	-	2.7	0.44	ND	ND	19.1	-	280	5.9	0.35	4	1.56	ND	ND	ND	0.45	0.127	12	10.9	ND	ND
Other																						
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7.4	-	-	-	-	7.8	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	-	-	-	-	ND (1.1)	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.2)	-	-	-	-	ND (1.1)	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	-	-	-	-	ND (1.1)	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B19							B20						B21				B22			
Location Name	B19	B19	B19	B19	B19	B19	B19	B20	B20	B20	B20	B20	B20	B21	B21	B21	B21	B22	B22	B22	B22
Sample Name	B19_S6_9-11	B19_S7_11-13	B19_S8_0.5-13	B19_S9_13-15	B19_S10_15-17	B19_S11_17-19	B19_S12_19-21	B20_S1_1.1-3.1	B20_S2_3.1-5.1	B20_S3_5.1-7.1	B20_S4_7.1-9.1	B20_S5_9.1-11.1	B20_S6_11.1-13.1	B21_S1_3-4	B21_S2_4-5	B21_S3_5-7	B21_S4_7-9	B22_S1_0.0-0.8	B22_S2_0.8-2.8	B22_S3_2.8-4.8	B22_S4_4.8-6.8
Sample Date	07/15/2010	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	01/14/2011	01/14/2011	01/14/2011	01/14/2011	11/30/2015	11/30/2015	11/30/2015	11/30/2015
Lab Sample ID	134789-15	134789-16	134834-16 134834-18 134834-6 135005-2	134834-7	134834-8	134834-9	134834-10	138861-22	138861-23	138861-24	138861-25	138861-26	138861-27	139182-16	139182-17	139182-18	139182-19	15K1347-02	15K1347-03	15K1347-04	15K1347-05
Sample Depth (bgs)	9 - 11 (ft)	11 - 13 (ft)	0.5 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	11.1 - 13.1 (ft)	3 - 4 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	16.5 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	14 to 13	13 to 12	12 to 10	10 to 8	16.8 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	ND (0.054)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	0.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	20.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B19							B20						B21				B22			
Location Name	B19	B19	B19	B19	B19	B19	B19	B20	B20	B20	B20	B20	B20	B21	B21	B21	B21	B22	B22	B22	B22
Sample Name	B19_S6_9-11	B19_S7_11-13	B19_S8_0.5-13	B19_S9_13-15	B19_S10_15-17	B19_S11_17-19	B19_S12_19-21	B20_S1_1.1-3.1	B20_S2_3.1-5.1	B20_S3_5.1-7.1	B20_S4_7.1-9.1	B20_S5_9.1-11.1	B20_S6_11.1-13.1	B21_S1_3-4	B21_S2_4-5	B21_S3_5-7	B21_S4_7-9	B22_S1_0.0-0.8	B22_S2_0.8-2.8	B22_S3_2.8-4.8	B22_S4_4.8-6.8
Sample Date	07/15/2010	07/15/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	01/14/2011	01/14/2011	01/14/2011	01/14/2011	11/30/2015	11/30/2015	11/30/2015	11/30/2015
Lab Sample ID	134789-15	134789-16	134834-16 134834-18 134834-6 135005-2	134834-7	134834-8	134834-9	134834-10	138861-22	138861-23	138861-24	138861-25	138861-26	138861-27	139182-16	139182-17	139182-18	139182-19	15K1347-02	15K1347-03	15K1347-04	15K1347-05
Sample Depth (bgs)	9 - 11 (ft)	11 - 13 (ft)	0.5 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	11.1 - 13.1 (ft)	3 - 4 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	16.5 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	14 to 13	13 to 12	12 to 10	10 to 8	16.8 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	ND (3.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	2.4	0.8	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	1.7	0.55	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.057)	ND (0.062)	-	ND (0.07)	ND (0.066)	ND (0.072)	ND (0.06)	ND (0.048)	ND (0.24)	ND (0.06)	ND (0.05)	ND (0.052)	ND (0.048)	ND (0.048)	ND (0.059)	ND (0.046)	ND (0.069)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
SUM of PCBs	ND	ND	-	ND	ND	ND	ND	4.1	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other																					
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.4	89	94.7	86.4
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B5						B6			B7							B8						B
Location Name	B5	B5	B5	B5	B5	B5	B6	B6	B6	B7	B7	B7	B7	B7	B7A	B7A	B8	B8	B8	B8	B8	B8	B9	B9
Sample Name	B5_S1_0.9-5.8	B5_S3_0.9-1.8	B5_S4_1.8-3.8	B5_S5_3.8-5.8	B5_S2_5.8-7.8	B5_S6_5.8-7.8	B6_S1_1.0-2.1	B6_S2_2.1-4.1	B6_S3_4.1-6.1	B7_S1_2-4	Z7_S1_2-4	B7_S2_4-6	B7_S3_6-8	B7_S4_8-10	B7A_S1_1.1-6.2	B7A_S2_2.2-4.2	B8_S1_3-4	B8_S2_4-6	X8_S2_4-6	B8_S3_6-8	B8_S4_8-10	B8_S5_10-12	B9_S1_1.4-2.6	B9_S2_2.6-4.6
Sample Date	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015	02/05/2015
Lab Sample ID	15B0168-01	15B0168-03	15B0168-04	15B0168-05	15B0168-02	15B0168-06	15B0166-01	15B0166-02	15B0166-03	139182-1	139182-7	139182-2	139182-3	139182-4	15B0161-01 15B0389-01	15B0161-02	139182-10	139182-11	139182-13	139182-12	139182-14	139182-15	15B0164-01	15B0164-02
Sample Depth (bgs)	0.9 - 5.8 (ft)	0.9 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	5.8 - 7.8 (ft)	1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	1.1 - 6.2 (ft)	2.2 - 4.2 (ft)	3 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1.4 - 2.6 (ft)	2.6 - 4.6 (ft)
Sample Elevation (ft BCB)	16.9 to 12	16.9 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.1 to 16	16 to 14	14 to 12	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	17.1 to 12	16 to 14	15 to 14	14 to 12	14 to 12	12 to 10	10 to 8	8 to 6	17.2 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	ND (0.0024)	-	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.0024)	-	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0034	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
Acetone	ND (0.061)	-	-	-	ND (0.064)	-	-	-	-	-	-	-	-	-	ND (0.084)	-	-	-	-	-	-	-	-	-
Benzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
Chlorobenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.0024)	-	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0034	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0018	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	ND (0.0024)	-	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.0024)	-	-	-	ND (0.0026)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.0061)	-	-	-	ND (0.0064)	-	-	-	-	-	-	-	-	-	ND (0.0084)	-	-	-	-	-	-	-	-	-
Naphthalene	ND (0.0061)	-	-	-	ND (0.0064)	-	-	-	-	-	-	-	-	-	0.064	-	-	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
o-Xylene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0019	-	-	-	-	-	-	-	-	-
Styrene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.007	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
Toluene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	0.0017	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.0012)	-	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	-	-	-	ND	-	-	-	-	-	-	-	-	-	0.0832	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-
2-Methylphenol	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	0.97	-	-	-	-	-	-	-	-	-
Acenaphthene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-
Acenaphthylene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	-	-	-	-	-	-
Acetophenone	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Aniline	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Anthracene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ND (0.19)	-	-	-	0.31	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ND (0.19)	-	-	-	0.29	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.23	-	-	-	0.41	-	-	-	-	-	-	-	-	-	4.1	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ND (0.19)	-	-	-	0.22	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	0.47	-	-	-	0.49	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.27	-	-	-	0.39	-	-	-	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	0.68	-	-	-	-	-	-	-	-	-
Dibenzofuran	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.75)	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	-	-	-	-	-	-
Fluoranthene	0.38	-	-	-	0.7	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-
Fluorene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ND (0.19)	-	-	-	0.23	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-
Isophorone	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Naphthalene	ND (0.19)	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	0.33	-	-	-	0.47	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	-
Phenol	ND (0.38)	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	-	-	-	-	-	-	-
Pyrene	0.56	-	-	-	0.61	-	-	-	-	-	-	-	-	-	8.4	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	2.24	-	-	-	4.12	-	-	-	-	-	-	-	-	-	67.25	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	B5						B6			B7							B8						B
Location Name	B5	B5	B5	B5	B5	B5	B6	B6	B6	B7	B7	B7	B7	B7	B7A	B7A	B8	B8	B8	B8	B8	B8	B9	B9
Sample Name	B5_S1_0.9-5.8	B5_S3_0.9-1.8	B5_S4_1.8-3.8	B5_S5_3.8-5.8	B5_S2_5.8-7.8	B5_S6_5.8-7.8	B6_S1_1.0-2.1	B6_S2_2.1-4.1	B6_S3_4.1-6.1	B7_S1_2-4	Z7_S1_2-4	B7_S2_4-6	B7_S3_6-8	B7_S4_8-10	B7A_S1_1.1-6.2	B7A_S2_2.2-4.2	B8_S1_3-4	B8_S2_4-6	X8_S2_4-6	B8_S3_6-8	B8_S4_8-10	B8_S5_10-12	B9_S1_1.4-2.6	B9_S2_2.6-4.6
Sample Date	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015	02/05/2015	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	01/14/2011	02/05/2015	02/05/2015
Lab Sample ID	15B0168-01	15B0168-03	15B0168-04	15B0168-05	15B0168-02	15B0168-06	15B0166-01	15B0166-02	15B0166-03	139182-1	139182-7	139182-2	139182-3	139182-4	15B0161-01 15B0389-01	15B0161-02	139182-10	139182-11	139182-13	139182-12	139182-14	139182-15	15B0164-01	15B0164-02
Sample Depth (bgs)	0.9 - 5.8 (ft)	0.9 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	5.8 - 7.8 (ft)	1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	1.1 - 6.2 (ft)	2.2 - 4.2 (ft)	3 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1.4 - 2.6 (ft)	2.6 - 4.6 (ft)
Sample Elevation (ft BCB)	16.9 to 12	16.9 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17.1 to 16	16 to 14	14 to 12	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	17.1 to 12	16 to 14	15 to 14	14 to 12	14 to 12	12 to 10	10 to 8	8 to 6	17.2 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	1100	-	-	-	410	-	-	-	-	-	-	-	-	-	1300	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	ND (2.6)	-	-	-	ND (2.6)	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-
Barium	31	-	-	-	28	-	-	-	-	-	-	-	-	-	380	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.63	-	-	-	0.45	-	-	-	-	-	-	-	-	-	8.7	-	-	-	-	-	-	-	-	-
Chromium	13	-	-	-	16	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	85	-	-	-	87	-	-	-	-	-	-	-	-	-	1700	-	-	-	-	-	-	-	-	-
Mercury	0.13	-	-	-	0.15	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	ND (5.2)	-	-	-	ND (5.1)	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	-	-	-	-	-	-
Silver	ND (0.52)	-	-	-	ND (0.51)	-	-	-	-	-	-	-	-	-	ND (0.58)	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	-	ND (0.11)	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)
Aroclor-1221 (PCB-1221)	-	ND (0.11)	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)
Aroclor-1232 (PCB-1232)	-	ND (0.11)	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)
Aroclor-1242 (PCB-1242)	-	ND (0.11)	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)
Aroclor-1248 (PCB-1248)	-	ND (0.11)	0.34	0.47	-	1.3	ND (0.1)	15	ND (0.13)	110	210	ND (0.046)	ND (0.06)	ND (0.061)	-	0.14	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	0.14
Aroclor-1254 (PCB-1254)	-	ND (0.11)	0.42	0.86	-	2.6	0.13	31	ND (0.13)	ND (24)	ND (46)	ND (0.046)	0.083	0.29	-	0.27	0.057	0.78	0.49	0.39	ND (0.047)	ND (0.052)	ND (0.1)	0.26
Aroclor-1260 (PCB-1260)	-	ND (0.11)	0.34	0.8	-	3.7	ND (0.1)	31	ND (0.13)	52	110	ND (0.046)	ND (0.06)	0.32	-	0.58	0.064	0.41	0.25	0.19	ND (0.047)	ND (0.052)	ND (0.1)	0.56
Aroclor-1262 (PCB-1262)	-	ND (0.11)	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)
Aroclor-1268 (PCB-1268)	-	ND (0.11)	ND (0.11)	ND (0.11)	-	ND (0.55)	ND (0.1)	ND (5.3)	ND (0.13)	ND (24)	ND (46)	ND (0.046)	ND (0.06)	ND (0.061)	-	ND (0.12)	ND (0.048)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.047)	ND (0.052)	ND (0.1)	ND (0.11)
SUM of PCBs	-	ND	1.1	2.13	-	7.6	0.13	77	ND	162	320	ND	0.083	0.61	-	0.99	0.121	1.19	0.74	0.58	ND	ND	ND	0.96
Other																								
Percent Solids, vol. (%wt)	88.8	87.6	92.5	89.4	90.1	91.2	98.1	94.2	75.9	-	-	-	-	-	85	85.4	-	-	-	-	-	-	96.3	86.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (3.9)	-	-	-	ND (3.9)	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (19)	-	-	-	ND (19)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	24	-	-	-	31	-	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	NI	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	11	-	-	-	9.9	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	9		C10			C11							C12							
Location Name	B9	B9	C10	C10	C10	C11	C11	C11	C11	C11	C11	C11	C12	C12	C12	C12	C12	C12	C12	C12
Sample Name	B9_S3_4.6-6.6	B9_S4_6.6-8.6	C10_S1_4.3-5.3	C10_S2_5.3-7.3	C10_S3_7.3-9.3	C11_S1_4.5-7.0	C11_S1_4.5-9.5	C11_S2_7-9	C11_S3_9-11	Z11_S3_9-11	C11_S4_9.5-14.5	C11_S5_14.5-19.5	C12_S1_0.2-3.8	C12_S12_4.5-18.5	C12_S2_4.5-5.2	C12_S3_5.2-7.2	C12_S4_7.2-9.2	C12_S5_9.2-11.2	C12_S6_11.2-13.2	C12_S7_13.2-15.2
Sample Date	02/05/2015	02/05/2015	01/30/2015	01/30/2015	01/30/2015	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010
Lab Sample ID	15B0164-03	15B0164-04	15A1005-01	15A1005-02	15A1005-03	138690-1	138690-42 138690-52 138690-64	138690-2	138690-3	138690-4	138690-38 138690-50 138690-62 138879-2	138690-39 138690-51 138690-63 138879-11 138879-9	134654-13 134654-33 134654-38 134865-2	134654-24 134654-34 134654-39 134865-3 134865-5	134654-14	134654-15	134654-16	134654-17	134654-18	134654-19
Sample Depth (bgs)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	4.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	4.5 - 7 (ft)	4.5 - 9.5 (ft)	7 - 9 (ft)	9 - 11 (ft)	9 - 11 (ft)	9.5 - 14.5 (ft)	14.5 - 19.5 (ft)	0.2 - 3.8 (ft)	4.5 - 18.5 (ft)	4.5 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	16.5 to 14	16.5 to 11.5	14 to 12	12 to 10	12 to 10	11.5 to 6.5	6.5 to 1.5	21 to 17.4	16.7 to 2.7	16.7 to 16	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	ND (0.22)	-	-	-	ND (0.25)	ND (0.24)	ND (0.2)	ND (0.23)	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	ND (0.054)	-	-	-	ND (0.062)	ND (0.06)	ND (0.05)	ND (0.058)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	-	-	-	ND	ND	ND	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	0.51	ND (0.35)	ND (0.39)	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	0.9	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	0.62	-	-	-	ND (0.41)	1.5	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	1	-	-	-	ND (0.41)	3	0.37	0.62	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	2.6	-	-	-	0.58	4.2	1.2	1.8	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	2.1	-	-	-	0.43	3.2	1.2	1.5	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	2.9	-	-	-	0.59	4.2	1.7	2.3	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	0.82	-	-	-	ND (0.41)	0.63	ND (0.35)	0.44	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	1	-	-	-	ND (0.41)	1.5	0.69	0.85	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	0.65	-	-	-	ND (0.41)	0.47	ND (0.35)	1.1	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	0.58	-	-	-	ND (0.41)	1.1	ND (0.35)	0.42	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	2.7	-	-	-	0.56	3.9	1.3	1.7	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	0.98	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	5.2	-	-	-	1.2	8.3	2.4	3	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	0.53	-	-	-	ND (0.41)	1.7	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	1.1	-	-	-	ND (0.41)	0.8	0.45	0.54	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	0.71	ND (0.35)	ND (0.39)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	3.9	-	-	-	1.3	9.8	1.3	2.7	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	ND (0.38)	-	-	-	ND (0.41)	ND (0.41)	ND (0.35)	ND (0.39)	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	4.9	-	-	-	1.2	7.6	2.2	3.9	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	30.6	-	-	-	5.86	55	12.81	20.87	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	9		C10			C11							C12							C12
Location Name	B9	B9	C10	C10	C10	C11	C11	C11	C11	C11	C11	C11	C12	C12	C12	C12	C12	C12	C12	C12
Sample Name	B9_S3_4.6-6.6	B9_S4_6.6-8.6	C10_S1_4.3-5.3	C10_S2_5.3-7.3	C10_S3_7.3-9.3	C11_S1_4.5-7.0	C11_S1_4.5-9.5	C11_S2_7-9	C11_S3_9-11	Z11_S3_9-11	C11_S4_9.5-14.5	C11_S5_14.5-19.5	C12_S1_0.2-3.8	C12_S12_4.5-18.5	C12_S2_4.5-5.2	C12_S3_5.2-7.2	C12_S4_7.2-9.2	C12_S5_9.2-11.2	C12_S6_11.2-13.2	C12_S7_13.2-15.2
Sample Date	02/05/2015	02/05/2015	01/30/2015	01/30/2015	01/30/2015	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010
Lab Sample ID	15B0164-03	15B0164-04	15A1005-01	15A1005-02	15A1005-03	138690-1	138690-42 138690-52 138690-64	138690-2	138690-3	138690-4	138690-38 138690-50 138690-62 138879-2	138690-39 138690-51 138690-63 138879-11 138879-9	134654-13 134654-33 134654-38 134865-2	134654-24 134654-34 134654-39 134865-3 134865-5	134654-14	134654-15	134654-16	134654-17	134654-18	134654-19
Sample Depth (bgs)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	4.3 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	4.5 - 7 (ft)	4.5 - 9.5 (ft)	7 - 9 (ft)	9 - 11 (ft)	9 - 11 (ft)	9.5 - 14.5 (ft)	14.5 - 19.5 (ft)	0.2 - 3.8 (ft)	4.5 - 18.5 (ft)	4.5 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	16.5 to 14	16.5 to 11.5	14 to 12	12 to 10	12 to 10	11.5 to 6.5	6.5 to 1.5	21 to 17.4	16.7 to 2.7	16.7 to 16	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	130	-	-	-	55	140	200	200	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	180	-	-	-	48	86	210	320	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	41	-	-	-	ND (25)	38	ND (32)	54	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	3.5	-	-	-	ND (1.3)	3.4	3	50	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	ND (3.5)	-	-	-	11	29	6.2	4.1	-	-	-	-	-	-
Barium	-	-	-	-	-	-	53	-	-	-	210	1300	77	1600	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.4)	ND (0.39)	ND (0.31)	ND (0.38)	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	0.99	-	-	-	1.1	2.7	1.6	27	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	17	-	-	-	12	56	18	57	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-
Lead	-	-	-	-	-	-	89	-	-	-	710	770	120	7100	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	0.47	-	-	-	2.9	5.6	0.45	ND (0.021)	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	13	-	-	-	9.9	13	15	100	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	ND (5.9)	-	-	-	ND (6.7)	ND (6.4)	ND (5.2)	ND (6.4)	-	-	-	-	-	-
Silver	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.3)	ND (1.3)	ND (1)	ND (1.3)	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	ND (5.9)	-	-	-	ND (6.7)	ND (6.4)	ND (5.2)	ND (6.4)	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	34	-	-	-	23	37	27	49	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	150	-	-	-	1200	2000	99	6200	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	1.2	2.6	ND (0.3)	0.8	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (23)	ND (0.12)	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	ND (0.043)	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
Aroclor-1221 (PCB-1221)	ND (23)	ND (0.12)	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	ND (0.043)	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
Aroclor-1232 (PCB-1232)	ND (23)	ND (0.12)	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	ND (0.043)	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
Aroclor-1242 (PCB-1242)	ND (23)	ND (0.12)	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	ND (0.043)	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
Aroclor-1248 (PCB-1248)	150	ND (0.12)	ND (0.11)	3.7	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	0.31	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
Aroclor-1254 (PCB-1254)	160	ND (0.12)	0.81	5.8	ND (0.11)	0.38	-	ND (0.049)	0.14	0.14	-	-	ND (0.043)	-	0.26	28	0.41	0.18	0.18	ND (0.057)
Aroclor-1260 (PCB-1260)	110	ND (0.12)	0.59	1.9	ND (0.11)	0.53	-	ND (0.049)	0.13	0.13	-	-	0.15	-	0.39	24	0.46	0.17	0.18	ND (0.057)
Aroclor-1262 (PCB-1262)	ND (23)	ND (0.12)	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	ND (0.043)	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
Aroclor-1268 (PCB-1268)	ND (23)	ND (0.12)	ND (0.11)	ND (1.2)	ND (0.11)	ND (0.045)	-	ND (0.049)	ND (0.047)	ND (0.046)	-	-	ND (0.043)	-	ND (0.043)	ND (4.7)	ND (0.047)	ND (0.047)	ND (0.049)	ND (0.057)
SUM of PCBs	420	ND	1.4	11.4	ND	0.91	-	ND	0.27	0.27	-	-	0.46	-	0.65	52	0.87	0.35	0.36	ND
Other																				
Percent Solids, vol. (%wt)	84.7	86.8	94.1	81.8	92.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	165 >	-	-	-	165 >	165 >	165 >	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (50)	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (100)	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	520	-	450	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	6.9	-	-	-	6.9	6.8	7.1	7.1	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.4)	ND (1.6)	1	ND (1.6)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.4)	ND (1.6)	ND (1)	ND (1.6)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.2)	-	-	-	1.6	ND (1.6)	ND (1)	ND (1.6)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							C13												
Location Name	C12	C12	C12	C12	C12	C12	C13	C13	C13	C13	C13	C13	C13	C13	C13	C13	C13	C14	C14
Sample Name	C12_S8_15.2-17.2	C12_S9_17.2-19.2	C12_S10_19.2-21.2	C12_S11_21.2-23.2	C12_S13_23.2-24	C12_S14_24-25.2	C13_S1_0.5-2.5	C13_S2_4.0-6.0	C13_S3_6.0-8.0	C13_S4_3-10	C13_S5_8-10	C13_S6_10-12	C13_S7_12-14	C13_S8_14-16	C13_S9_16-18	C13_S10_18-20	C13_S11_20-22	C14_S1_0.5-4.6	C14_S7_4.9-19
Sample Date	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/01/2010	07/01/2010	07/01/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	06/29/2010	06/29/2010
Lab Sample ID	134654-20	134654-21	134654-22	134654-23	134654-25	134654-26	134447-31 134447-37 134447-43 134642-7	134447-1	134447-2	134478-20 134478-22 134478-25 134716-2	134478-1	134478-2	134478-3	134478-4	134478-5	134478-6	134478-7	134368-10 134368-23 134368-26 134570-2	134368-16 134368-24 134368-27 134570-3
Sample Depth (bgs)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 24 (ft)	24 - 25.2 (ft)	0.5 - 2.5 (ft)	4 - 6 (ft)	6 - 8 (ft)	3 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.5 - 4.6 (ft)	4.9 - 19 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.8	-2.8 to -4	20.5 to 18.5	17 to 15	15 to 13	18 to 11	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	20.5 to 16.4	16.1 to 2
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Acetone	-	-	-	-	-	-	ND (0.23)	-	-	ND (0.24)	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)
Benzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Chlorobenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Ethylbenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Isopropylbenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methylene chloride	-	-	-	-	-	-	ND (0.057)	-	-	ND (0.06)	-	-	-	-	-	-	-	ND (0.05)	ND (0.05)
Naphthalene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
n-Propylbenzene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Styrene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Toluene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
2-Methylnaphthalene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.43
2-Methylphenol	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
3&4-Methylphenol	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Acenaphthene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.96
Acenaphthylene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Acetophenone	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Aniline	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Anthracene	-	-	-	-	-	-	0.53	-	-	0.43	-	-	-	-	-	-	-	ND (0.36)	1.8
Benzo(a)anthracene	-	-	-	-	-	-	1.1	-	-	1.1	-	-	-	-	-	-	-	0.63	3.2
Benzo(a)pyrene	-	-	-	-	-	-	0.95	-	-	1.1	-	-	-	-	-	-	-	0.59	2.8
Benzo(b)fluoranthene	-	-	-	-	-	-	1.5	-	-	1.9	-	-	-	-	-	-	-	1	4
Benzo(g,h,i)perylene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.67
Benzo(k)fluoranthene	-	-	-	-	-	-	0.49	-	-	0.68	-	-	-	-	-	-	-	ND (0.36)	1.6
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.38)	-	-	32	-	-	-	-	-	-	-	0.84	ND (0.39)
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Carbazole	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.87
Chrysene	-	-	-	-	-	-	1	-	-	1.2	-	-	-	-	-	-	-	0.71	3.1
Dibenz(a,h)anthracene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Dibenzofuran	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.83
Diethyl phthalate	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Di-n-octyl phthalate	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Fluoranthene	-	-	-	-	-	-	2.4	-	-	2.3	-	-	-	-	-	-	-	1.3	6.1
Fluorene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.99
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.81
Isophorone	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Naphthalene	-	-	-	-	-	-	ND (0.38)	-	-	0.51	-	-	-	-	-	-	-	ND (0.36)	0.79
N-Nitrosodiphenylamine	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Phenanthrene	-	-	-	-	-	-	2	-	-	1.9	-	-	-	-	-	-	-	0.9	6.5
Phenol	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.39)
Pyrene	-	-	-	-	-	-	1.6	-	-	1.6	-	-	-	-	-	-	-	1.2	5.7
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	11.57	-	-	44.72	-	-	-	-	-	-	-	7.17	41.15

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							C13												
Location Name	C12	C12	C12	C12	C12	C12	C13	C13	C13	C13	C13	C13	C13	C13	C13	C13	C13	C14	C14
Sample Name	C12_S8_15.2-17.2	C12_S9_17.2-19.2	C12_S10_19.2-21.2	C12_S11_21.2-23.2	C12_S13_23.2-24	C12_S14_24-25.2	C13_S1_0.5-2.5	C13_S2_4.0-6.0	C13_S3_6.0-8.0	C13_S4_3-10	C13_S5_8-10	C13_S6_10-12	C13_S7_12-14	C13_S8_14-16	C13_S9_16-18	C13_S10_18-20	C13_S11_20-22	C14_S1_0.5-4.6	C14_S7_4.9-19
Sample Date	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/01/2010	07/01/2010	07/01/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	06/29/2010	06/29/2010
Lab Sample ID	134654-20	134654-21	134654-22	134654-23	134654-25	134654-26	134447-31 134447-37 134447-43 134642-7	134447-1	134447-2	134478-20 134478-22 134478-25 134716-2	134478-1	134478-2	134478-3	134478-4	134478-5	134478-6	134478-7	134368-10 134368-23 134368-26 134570-2	134368-16 134368-24 134368-27 134570-3
Sample Depth (bgs)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 24 (ft)	24 - 25.2 (ft)	0.5 - 2.5 (ft)	4 - 6 (ft)	6 - 8 (ft)	3 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.5 - 4.6 (ft)	4.9 - 19 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.8	-2.8 to -4	20.5 to 18.5	17 to 15	15 to 13	18 to 11	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	20.5 to 16.4	16.1 to 2
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	110	-	-	330	-	-	-	-	-	-	-	100	120
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	180	-	-	680	-	-	-	-	-	-	-	140	55
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	ND (35)	-	-	220	-	-	-	-	-	-	-	ND (33)	ND (34)
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	2.4	-	-	170	-	-	-	-	-	-	-	3.3	1.9
Arsenic	-	-	-	-	-	-	ND (3.5)	-	-	5	-	-	-	-	-	-	-	4.2	13
Barium	-	-	-	-	-	-	63	-	-	1100	-	-	-	-	-	-	-	65	190
Beryllium	-	-	-	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	ND (0.33)	ND (0.36)
Cadmium	-	-	-	-	-	-	1.4	-	-	8.3	-	-	-	-	-	-	-	1.6	2.1
Chromium	-	-	-	-	-	-	32	-	-	19	-	-	-	-	-	-	-	20	17
Chromium VI (Hexavalent)	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	59	-	-	7300	-	-	-	-	-	-	-	120	460
Mercury	-	-	-	-	-	-	0.38	-	-	10	-	-	-	-	-	-	-	0.3	97
Nickel	-	-	-	-	-	-	18	-	-	21	-	-	-	-	-	-	-	14	16
Selenium	-	-	-	-	-	-	ND (5.9)	-	-	ND (6)	-	-	-	-	-	-	-	ND (7)	ND (13)
Silver	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.2)	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
Thallium	-	-	-	-	-	-	ND (5.9)	-	-	ND (6)	-	-	-	-	-	-	-	ND (5.5)	ND (6)
Vanadium	-	-	-	-	-	-	33	-	-	38	-	-	-	-	-	-	-	29	17
Zinc	-	-	-	-	-	-	83	-	-	11000	-	-	-	-	-	-	-	120	380
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	500	-	-	-	-	-	-	-	ND (0.3)	11
Mercury	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	ND (0.0002)
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
Aroclor-1221 (PCB-1221)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
Aroclor-1232 (PCB-1232)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
Aroclor-1242 (PCB-1242)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
Aroclor-1248 (PCB-1248)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	0.14	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	0.13	-
Aroclor-1254 (PCB-1254)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	0.13	65	-	0.088	ND (0.048)	0.79	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
Aroclor-1260 (PCB-1260)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	0.076	0.093	51	-	0.093	ND (0.048)	0.56	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	0.074	-
Aroclor-1262 (PCB-1262)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
Aroclor-1268 (PCB-1268)	ND (0.057)	ND (0.069)	ND (0.062)	ND (0.053)	ND (0.062)	ND (0.056)	ND (0.047)	ND (0.044)	ND (11)	-	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.05)	ND (0.063)	ND (0.062)	ND (0.053)	ND (0.043)	-
SUM of PCBs	ND	ND	ND	ND	ND	ND	0.216	0.223	116	-	0.181	ND	1.35	ND	ND	ND	ND	0.204	-
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	430	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	7.1	-	-	6.8	-	-	-	-	-	-	-	8.2	6.8
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.9)	-	-	-	-	-	-	-	ND (1.1)	ND (1.7)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	ND (1.3)	-	-	4.8	-	-	-	-	-	-	-	ND (1.1)	ND (1.7)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.9)	-	-	-	-	-	-	-	ND (1.1)	ND (1.7)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	C14										C15									
Location Name	C14	C14	C14	C14	C14	C14	C14	C14	C14	C14	C15	C15	C15	C15	C15	C15	C15	C15	C15	C15A
Sample Name	C14_S2_5-7	C14_S3_7.5-9	C14_S4_9-11	C14_S5_11-13	C14_S6_13-15	C14_S8_15-17	C14_S9_17-19	C14_S10_19-21	C14_S11_21-22.8	C14_S12_23-25	C15_S1_0.3-4.5	C15_S2_4.8-6.8	C15_S8_4.8-19.1	C15_S3_6.8-8.8	C15_S4_12.8-14.8	C15_S5_14.8-16.8	C15_S6_16.8-18.8	C15_S7_18.8-20.8	C15_S9_22.8-24.8	C15A_S1_5.0-9.0
Sample Date	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	12/21/2010
													134417-24							
											134417-21		134417-28							138733-23
											134417-27		134417-33							138733-34
											134417-32		134608-3							138733-43
Lab Sample ID	134368-11	134368-12	134368-13	134368-14	134368-15	134368-17	134368-18	134368-19	134368-20	134368-21	134608-1	134417-11	134608-4	134417-12	134417-13	134417-14	134417-15	134417-16	134417-17	138975-2
Sample Depth (bgs)	5 - 7 (ft)	7.5 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 22.8 (ft)	23 - 25 (ft)	0.3 - 4.5 (ft)	4.8 - 6.8 (ft)	4.8 - 19.1 (ft)	6.8 - 8.8 (ft)	12.8 - 14.8 (ft)	14.8 - 16.8 (ft)	16.8 - 18.8 (ft)	18.8 - 20.8 (ft)	22.8 - 24.8 (ft)	5 - 9 (ft)
Sample Elevation (ft BCB)	16 to 14	13.5 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -1.8	-2 to -4	20.5 to 16.3	16 to 14	16 to 1.7	14 to 12	8 to 6	6 to 4	4 to 2	2 to 0	-2 to -4	16 to 12
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.23)	-	-	-	-	-	-	ND (0.29)
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.056)	-	-	-	-	-	-	ND (0.072)
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	ND (0.007)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Acenaphthene	-	-	-	-	-	-	-	-	-	-	0.82	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Anthracene	-	-	-	-	-	-	-	-	-	-	0.55	-	0.75	-	-	-	-	-	-	0.52
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	1	-	4.7	-	-	-	-	-	-	1.1
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	0.9	-	4	-	-	-	-	-	-	0.96
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	1.1	-	4.8	-	-	-	-	-	-	1.3
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	0.81	-	-	-	-	-	-	0.67
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.42	-	1.8	-	-	-	-	-	-	0.41
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	0.65	-	-	-	-	-	-	ND (0.39)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Carbazole	-	-	-	-	-	-	-	-	-	-	0.36	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Chrysene	-	-	-	-	-	-	-	-	-	-	1	-	4.1	-	-	-	-	-	-	1.1
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	0.86	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Fluoranthene	-	-	-	-	-	-	-	-	-	-	2.2	-	7.7	-	-	-	-	-	-	2.4
Fluorene	-	-	-	-	-	-	-	-	-	-	0.79	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	0.46	-	1.2	-	-	-	-	-	-	0.71
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Naphthalene	-	-	-	-	-	-	-	-	-	-	0.96	-	0.53	-	-	-	-	-	-	ND (0.39)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Phenanthrene	-	-	-	-	-	-	-	-	-	-	2.5	-	1.9	-	-	-	-	-	-	2.2
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	ND (0.39)
Pyrene	-	-	-	-	-	-	-	-	-	-	1.8	-	6.3	-	-	-	-	-	-	1.9
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	15.72	-	39.24	-	-	-	-	-	-	13.27

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	C14										C15									
Location Name	C14	C14	C14	C14	C14	C14	C14	C14	C14	C14	C15	C15	C15	C15	C15	C15	C15	C15	C15	C15A
Sample Name	C14_S2_5-7	C14_S3_7.5-9	C14_S4_9-11	C14_S5_11-13	C14_S6_13-15	C14_S8_15-17	C14_S9_17-19	C14_S10_19-21	C14_S11_21-22.8	C14_S12_23-25	C15_S1_0.3-4.5	C15_S2_4.8-6.8	C15_S8_4.8-19.1	C15_S3_6.8-8.8	C15_S4_12.8-14.8	C15_S5_14.8-16.8	C15_S6_16.8-18.8	C15_S7_18.8-20.8	C15_S9_22.8-24.8	C15A_S1_5.0-9.0
Sample Date	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	12/21/2010
Lab Sample ID	134368-11	134368-12	134368-13	134368-14	134368-15	134368-17	134368-18	134368-19	134368-20	134368-21	134417-21 134417-27 134417-32 134608-1	134417-11	134417-24 134417-28 134417-33 134608-3 134608-4	134417-12	134417-13	134417-14	134417-15	134417-16	134417-17	138733-23 138733-34 138733-43 138975-2
Sample Depth (bgs)	5 - 7 (ft)	7.5 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 22.8 (ft)	23 - 25 (ft)	0.3 - 4.5 (ft)	4.8 - 6.8 (ft)	4.8 - 19.1 (ft)	6.8 - 8.8 (ft)	12.8 - 14.8 (ft)	14.8 - 16.8 (ft)	16.8 - 18.8 (ft)	18.8 - 20.8 (ft)	22.8 - 24.8 (ft)	5 - 9 (ft)
Sample Elevation (ft BCB)	16 to 14	13.5 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -1.8	-2 to -4	20.5 to 16.3	16 to 14	16 to 1.7	14 to 12	8 to 6	6 to 4	4 to 2	2 to 0	-2 to -4	16 to 12
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	290	-	180	-	-	-	-	-	-	260
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	320	-	200	-	-	-	-	-	-	240
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	160	-	50	-	-	-	-	-	-	63
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	1.7	-	91	-	-	-	-	-	-	9.4
Arsenic	-	-	-	-	-	-	-	-	-	-	7.7	-	4.9	-	-	-	-	-	-	ND (3.6)
Barium	-	-	-	-	-	-	-	-	-	-	86	-	130	-	-	-	-	-	-	94
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.36)	-	-	-	-	-	-	ND (0.36)
Cadmium	-	-	-	-	-	-	-	-	-	-	1.4	-	3.1	-	-	-	-	-	-	4.4
Chromium	-	-	-	-	-	-	-	-	-	-	21	-	37	-	-	-	-	-	-	27
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	120	-	4600	-	-	-	-	-	-	1700
Mercury	-	-	-	-	-	-	-	-	-	-	0.73	-	2.2	-	-	-	-	-	-	1.6
Nickel	-	-	-	-	-	-	-	-	-	-	16	-	35	-	-	-	-	-	-	65
Selenium	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	ND (5.9)	-	-	-	-	-	-	ND (6)
Silver	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.2)	-	-	-	-	-	-	ND (1.2)
Thallium	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	ND (5.9)	-	-	-	-	-	-	ND (6)
Vanadium	-	-	-	-	-	-	-	-	-	-	30	-	45	-	-	-	-	-	-	49
Zinc	-	-	-	-	-	-	-	-	-	-	110	-	430	-	-	-	-	-	-	530
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	0.7	-	19	-	-	-	-	-	-	24
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
Aroclor-1221 (PCB-1221)	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
Aroclor-1232 (PCB-1232)	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
Aroclor-1242 (PCB-1242)	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
Aroclor-1248 (PCB-1248)	-	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	0.19	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
Aroclor-1254 (PCB-1254)	1.6	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	61	-	11	0.092	ND (0.062)	0.13	0.065	ND (0.058)	-
Aroclor-1260 (PCB-1260)	1.4	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	0.12	40	-	6.5	0.063	ND (0.062)	0.089	ND (0.053)	ND (0.058)	-
Aroclor-1262 (PCB-1262)	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
Aroclor-1268 (PCB-1268)	ND (0.046)	ND (0.051)	ND (0.049)	ND (0.073)	ND (0.052)	ND (0.055)	ND (0.076)	ND (0.094)	ND (0.069)	ND (0.055)	ND (0.044)	ND (4.4)	-	ND (2.4)	ND (0.049)	ND (0.062)	ND (0.066)	ND (0.053)	ND (0.058)	-
SUM of PCBs	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31	101	-	17.5	0.155	ND	0.219	0.065	ND	-
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	6.9	-	7.6	-	-	-	-	-	-	7
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-	-	ND (1.7)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					C16													
Location Name	C15A	C15A	C15A	C15A	C16	C16	C16	C16	C16	C16	C16	C16	C16	C16	C16	C17	C17	C17
Sample Name	C15A_S2_9.0-14.0	C15A_S3_14.0-19.0	C15A_S4_19.0-23.5	C15A_S5_23.5-28.0	C16_S1_0.5-4.8	C16_S2_5-7	C16_S3_7-9	C16_S8_5.1-16.6	C16_S4_10.6-12.6	C16_S5_12.6-14.6	C16_S6_14.6-16.6	C16_S7_16.6-18.6	C16_S9_18.6-20.6	C16_S10_20.6-21.8	C16_S11_21.8-22.6	C17_S1_0.6-4.6	C17_S2_4.6-6.6	C17_S9_4.9-22.6
Sample Date	12/21/2010	12/21/2010	12/21/2010	12/21/2010	06/30/2010	06/30/2010	06/30/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010
																		134447-19
	138733-26	138733-27	138733-28	138733-29				134447-32								134447-11		134447-34
	138733-35	138733-36	138733-37	138733-38	134417-22			134447-38								134447-33		134447-40
	138733-44	138733-45	138733-46	138733-47	134417-29			134447-7								134447-39		134642-3
Lab Sample ID	138975-3	138975-4	138975-5	138975-9	134417-34	134417-18	134417-19	134642-1	134447-3	134447-4	134447-5	134447-6	134447-8	134447-9	134447-10	134642-2	134447-12	134642-5
Sample Depth (bgs)	9 - 14 (ft)	14 - 19 (ft)	19 - 23.5 (ft)	23.5 - 28 (ft)	0.5 - 4.8 (ft)	5 - 7 (ft)	7 - 9 (ft)	5.1 - 16.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 21.8 (ft)	21.8 - 22.6 (ft)	0.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.9 - 22.6 (ft)
Sample Elevation (ft BCB)	12 to 7	7 to 2	2 to -2.5	-2.5 to -7	20.5 to 16.2	16 to 14	14 to 12	15.9 to 4.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -0.8	-0.8 to -1.6	20.2 to 16.2	16.2 to 14.2	15.9 to -1.8
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,2,4-Trichlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,2,4-Trimethylbenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,2-Dichlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,3,5-Trichlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,3,5-Trimethylbenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,3-Dichlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,4-Dichlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Acetone	ND (0.31)	ND (0.31)	ND (0.36)	ND (0.33)	ND (0.2)	-	-	ND (0.2)	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.24)
Benzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Chlorobenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Chloroform (Trichloromethane)	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Cymene (p-Isopropyltoluene)	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Ethylbenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Isopropylbenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
m,p-Xylenes	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Methyl Tert Butyl Ether	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Methylene chloride	ND (0.076)	ND (0.078)	ND (0.09)	ND (0.082)	ND (0.05)	-	-	ND (0.05)	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.061)
Naphthalene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
n-Propylbenzene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
o-Xylene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Styrene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Tetrachloroethene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	0.007	-	-	ND (0.005)	-	-	-	-	-	-	-	0.006	-	ND (0.006)
Toluene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Trichloroethene	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
SUM of Volatile Organic Compounds	ND	ND	ND	ND	0.007	-	-	ND	-	-	-	-	-	-	-	0.006	-	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
1,2-Dichlorobenzene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
1,3-Dichlorobenzene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
1,4-Dichlorobenzene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
2,4-Dimethylphenol	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
2,4-Dinitrotoluene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
2,6-Dinitrotoluene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
2-Chloronaphthalene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
2-Methylnaphthalene	ND (2.1)	0.59	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
2-Methylphenol	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
3&4-Methylphenol	ND (2.1)	1.1	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Acenaphthene	ND (2.1)	0.86	0.89	ND (0.51)	0.38	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Acenaphthylene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Acetophenone	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Aniline	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Anthracene	ND (2.1)	1.3	1.7	ND (0.51)	0.67	-	-	0.56	-	-	-	-	-	-	-	0.75	-	ND (0.37)
Benzo(a)anthracene	ND (2.1)	1.5	1.7	ND (0.51)	1.4	-	-	1.6	-	-	-	-	-	-	-	1.4	-	0.49
Benzo(a)pyrene	ND (2.1)	1.1	1.3	ND (0.51)	1.2	-	-	1.5	-	-	-	-	-	-	-	1.3	-	0.5
Benzo(b)fluoranthene	ND (2.1)	1.3	1.4	ND (0.51)	1.6	-	-	2.1	-	-	-	-	-	-	-	1.8	-	0.72
Benzo(g,h,i)perylene	ND (2.1)	0.51	0.52	ND (0.51)	ND (0.35)	-	-	0.38	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Benzo(k)fluoranthene	ND (2.1)	0.47	0.56	ND (0.51)	0.52	-	-	0.76	-	-	-	-	-	-	-	0.69	-	ND (0.37)
bis(2-Ethylhexyl)phthalate	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	1	-	-	-	-	-	-	-	ND (0.36)	-	0.54
Butyl benzylphthalate	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Carbazole	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	0.42	-	ND (0.37)
Chrysene	ND (2.1)	1.5	1.5	ND (0.51)	1.5	-	-	1.8	-	-	-	-	-	-	-	1.5	-	0.53
Dibenz(a,h)anthracene	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Dibenzofuran	ND (2.1)	0.8	0.85	ND (0.51)	0.38	-	-	ND (0.37)	-	-	-	-	-	-	-	0.43	-	ND (0.37)
Diethyl phthalate	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Di-n-butylphthalate	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Di-n-octyl phthalate	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Fluoranthene	ND (2.1)	3.8	3.7	ND (0.51)	3	-	-	3.5	-	-	-	-	-	-	-	2.9	-	0.95
Fluorene	ND (2.1)	1.1	1.2	ND (0.51)	0.5	-	-	ND (0.37)	-	-	-	-	-	-	-	0.43	-	ND (0.37)
Indeno(1,2,3-cd)pyrene	ND (2.1)	0.54	0.58	ND (0.51)	0.44	-	-	0.56	-	-	-	-	-	-	-	0.46	-	ND (0.37)
Isophorone	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Naphthalene	ND (2.1)	1.4	0.72	ND (0.51)	ND (0.35)	-	-	0.48	-	-	-	-	-	-	-	0.84	-	ND (0.37)
N-Nitrosodiphenylamine	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Phenanthrene	ND (2.1)	4.7	4.1	ND (0.51)	2.4	-	-	2.6	-	-	-	-	-	-	-	2.3	-	0.72
Phenol	ND (2.1)	ND (0.43)	ND (0.49)	ND (0.51)	ND (0.35)	-	-	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)
Pyrene	ND (2.1)	3.3	3	ND (0.51)	2.4	-	-	2.6	-	-	-	-	-	-	-	2.1	-	0.76
SUM of Semi-Volatile Organic Compounds	ND	25.87	23.72	ND	16.39	-	-	19.44	-	-	-	-	-	-	-	17.32	-	5.21

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					C16													
Location Name	C15A	C15A	C15A	C15A	C16	C16	C16	C16	C16	C16	C16	C16	C16	C16	C16	C17	C17	C17
Sample Name	C15A_S2_9.0-14.0	C15A_S3_14.0-19.0	C15A_S4_19.0-23.5	C15A_S5_23.5-28.0	C16_S1_0.5-4.8	C16_S2_5-7	C16_S3_7-9	C16_S8_5.1-16.6	C16_S4_10.6-12.6	C16_S5_12.6-14.6	C16_S6_14.6-16.6	C16_S7_16.6-18.6	C16_S9_18.6-20.6	C16_S10_20.6-21.8	C16_S11_21.8-22.6	C17_S1_0.6-4.6	C17_S2_4.6-6.6	C17_S9_4.9-22.6
Sample Date	12/21/2010	12/21/2010	12/21/2010	12/21/2010	06/30/2010	06/30/2010	06/30/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010
Lab Sample ID	138733-26 138733-35 138733-44 138975-3	138733-27 138733-36 138733-45 138975-4	138733-28 138733-37 138733-46 138975-5	138733-29 138733-38 138733-47 138975-9	134417-22 134417-29 134417-34	134417-18	134417-19	134447-32 134447-38 134447-7 134642-1	134447-3	134447-4	134447-5	134447-6	134447-8	134447-9	134447-10	134447-11 134447-33 134447-39 134642-2	134447-12	134447-19 134447-34 134447-40 134642-3 134642-5
Sample Depth (bgs)	9 - 14 (ft)	14 - 19 (ft)	19 - 23.5 (ft)	23.5 - 28 (ft)	0.5 - 4.8 (ft)	5 - 7 (ft)	7 - 9 (ft)	5.1 - 16.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 21.8 (ft)	21.8 - 22.6 (ft)	0.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.9 - 22.6 (ft)
Sample Elevation (ft BCB)	12 to 7	7 to 2	2 to -2.5	-2.5 to -7	20.5 to 16.2	16 to 14	14 to 12	15.9 to 4.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -0.8	-0.8 to -1.6	20.2 to 16.2	16.2 to 14.2	15.9 to -1.8
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	55	200	270	ND (32)	130	-	-	110	-	-	-	-	-	-	-	120	-	87
MADEP C19-C36 ALIPHATIC HYDROCARBONS	51	140	88	35	150	-	-	110	-	-	-	-	-	-	-	130	-	90
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (26)	38	ND (29)	ND (32)	ND (32)	-	-	ND (34)	-	-	-	-	-	-	-	ND (33)	-	ND (34)
Inorganic Compounds (mg/kg)																		
Antimony	11	3.9	3.3	5	ND (1.1)	-	-	7.1	-	-	-	-	-	-	-	2.4	-	8.4
Arsenic	11	36	7.9	ND (4.8)	6.5	-	-	5.2	-	-	-	-	-	-	-	4.9	-	ND (3.4)
Barium	240	190	100	51	50	-	-	130	-	-	-	-	-	-	-	61	-	120
Beryllium	ND (0.43)	ND (0.42)	ND (0.46)	ND (0.48)	ND (0.33)	-	-	ND (0.35)	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.34)
Cadmium	2.3	0.99	1.2	1.6	1.1	-	-	4.1	-	-	-	-	-	-	-	1.2	-	7.4
Chromium	14	26	28	41	15	-	-	20	-	-	-	-	-	-	-	15	-	84
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	1700	640	200	12	81	-	-	1500	-	-	-	-	-	-	-	110	-	1400
Mercury	2.6	2.9	0.21	ND (0.026)	0.37	-	-	2.1	-	-	-	-	-	-	-	0.38	-	1.5
Nickel	25	15	19	25	11	-	-	23	-	-	-	-	-	-	-	11	-	86
Selenium	ND (7.2)	ND (7.1)	ND (7.7)	ND (7.9)	ND (5.6)	-	-	ND (8)	-	-	-	-	-	-	-	ND (5.6)	-	ND (10)
Silver	ND (1.4)	ND (1.4)	ND (1.5)	ND (1.6)	ND (1.1)	-	-	ND (1.2)	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)
Thallium	ND (7.2)	ND (7.1)	ND (7.7)	ND (7.9)	ND (5.6)	-	-	ND (5.8)	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.7)
Vanadium	32	22	42	60	19	-	-	31	-	-	-	-	-	-	-	21	-	36
Zinc	1100	270	120	63	73	-	-	540	-	-	-	-	-	-	-	100	-	1100
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	1.4	16	0.6	-	-	-	-	8.7	-	-	-	-	-	-	-	ND (0.3)	-	63
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	-	-	-	ND (0.045)	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
Aroclor-1221 (PCB-1221)	-	-	-	-	ND (0.045)	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
Aroclor-1232 (PCB-1232)	-	-	-	-	ND (0.045)	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
Aroclor-1242 (PCB-1242)	-	-	-	-	ND (0.045)	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
Aroclor-1248 (PCB-1248)	-	-	-	-	0.97	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
Aroclor-1254 (PCB-1254)	-	-	-	-	ND (0.045)	76	0.37	-	0.24	0.15	ND (0.06)	ND (0.05)	ND (0.061)	0.1	ND (0.062)	0.26	120	-
Aroclor-1260 (PCB-1260)	-	-	-	-	0.21	46	0.24	-	0.14	0.065	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	0.16	91	-
Aroclor-1262 (PCB-1262)	-	-	-	-	ND (0.045)	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
Aroclor-1268 (PCB-1268)	-	-	-	-	ND (0.045)	ND (4.6)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.06)	ND (0.05)	ND (0.061)	ND (0.062)	ND (0.062)	ND (0.044)	ND (84)	-
SUM of PCBs	-	-	-	-	1.18	122	0.61	-	0.38	0.215	ND	ND	ND	0.1	ND	0.42	211	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	165 >	165 >	165 >	165 >	-	-	165 >	-	-	-	-	-	-	-	165 >	-	165 >
Reactive Cyanide (mg/kg)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	ND (50)	-	ND (50)
Reactive Sulfide (mg/kg)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	ND (100)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	410
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	6.8	6.6	6.9	6.8	6.7	-	-	6.9	-	-	-	-	-	-	-	6.7	-	6.6
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.7)	ND (1.9)	ND (1.9)	ND (2.4)	ND (1.2)	-	-	ND (1.5)	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.5)
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.7)	ND (1.9)	2.4	ND (2.4)	ND (1.2)	-	-	ND (1.5)	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.7)	2.1	ND (1.9)	ND (2.4)	ND (1.2)	-	-	ND (1.5)	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.5)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	C17									C18									
Location Name	C17	C17	C17	C17	C17	C17	C17	C17	C17A	C18	C18	C18	C18	C18	C18	C18	C18	C18	C19
Sample Name	C17_S3_6.6-8.6	C17_S4_8.6-10.6	C17_S5_10.6-12.6	C17_S6_12.6-14.6	C17_S7_14.6-18.6	C17_S8_18.6-20.6	C17_S10_22.6-24.6	C17_S11_24.6-26.6	C17A_S1_4.9-8.7	C18_S1_0.5-4.4	C18_S7_5-19	C18_S4_9-11	C18_S5_11-13	C18_S6_13-15	C18_S8_19-21	C18_S9_21-23	C18_S10_23.0-23.2	C18_S11_23.2-25	C19_S1_0.4-4.7
Sample Date	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	01/30/2015	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010	07/02/2010
Lab Sample ID	134447-13	134447-14	134447-15	134447-16	134447-17	134447-18	134447-20	134447-21	15A1007-01 15E0551-01	134718-26 134718-24 134718-29 134718-33	134718-30 134718-34 134936-2	134718-11	134718-12	134718-13	134834-11	134834-12	134834-13	134834-14	134478-19 134478-23 134478-26 134716-1
Sample Depth (bgs)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 18.6 (ft)	18.6 - 20.6 (ft)	22.6 - 24.6 (ft)	24.6 - 26.6 (ft)	4.9 - 8.7 (ft)	0.5 - 4.4 (ft)	5 - 19 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.2 (ft)	23.2 - 25 (ft)	0.4 - 4.7 (ft)
Sample Elevation (ft BCB)	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	8.2 to 6.2	6.2 to 2.2	2.2 to 0.2	-1.8 to -3.8	-3.8 to -5.8	15.8 to 12	20.5 to 16.6	16 to 2	12 to 10	10 to 8	8 to 6	2 to 0	0 to -2	-2 to -2.2	-2.2 to -4	20.6 to 16.3
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0041)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0041)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Acetone	-	-	-	-	-	-	-	-	ND (0.1)	ND (0.2)	ND (0.25)	-	-	-	-	-	-	-	ND (0.2)
Benzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.0041)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.0041)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.0041)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.05)	ND (0.064)	-	-	-	-	-	-	-	ND (0.05)
Naphthalene	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
o-Xylene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Styrene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Toluene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	ND (0.18)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Acenaphthene	-	-	-	-	-	-	-	-	ND (0.18)	ND (0.37)	0.41	-	-	-	-	-	-	-	ND (0.35)
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.18)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Acetophenone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Aniline	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Anthracene	-	-	-	-	-	-	-	-	0.43	1.7	0.91	-	-	-	-	-	-	-	0.38
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.96	3	2	-	-	-	-	-	-	-	1.1
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.87	2.5	1.7	-	-	-	-	-	-	-	1
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	1.1	3.3	2.3	-	-	-	-	-	-	-	1.6
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	0.42	0.95	0.72	-	-	-	-	-	-	-	ND (0.35)
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	0.45	1.2	0.85	-	-	-	-	-	-	-	0.5
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	1.3	0.6	0.84	-	-	-	-	-	-	-	0.57
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Chrysene	-	-	-	-	-	-	-	-	1	2.8	2	-	-	-	-	-	-	-	1.1
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.18)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Dibenzofuran	-	-	-	-	-	-	-	-	ND (0.36)	0.43	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.72)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Fluoranthene	-	-	-	-	-	-	-	-	2.1	6.2	4.1	-	-	-	-	-	-	-	2.2
Fluorene	-	-	-	-	-	-	-	-	0.19	0.71	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	0.44	1.2	0.82	-	-	-	-	-	-	-	ND (0.35)
Isophorone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Naphthalene	-	-	-	-	-	-	-	-	ND (0.18)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Phenanthrene	-	-	-	-	-	-	-	-	1.9	5.5	3.8	-	-	-	-	-	-	-	1.2
Phenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)
Pyrene	-	-	-	-	-	-	-	-	2.2	5.5	4	-	-	-	-	-	-	-	1.5
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	13.36	35.59	24.45	-	-	-	-	-	-	-	11.15

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	C17									C18										
Location Name	C17	C17	C17	C17	C17	C17	C17	C17	C17A	C18	C18	C18	C18	C18	C18	C18	C18	C18		C19
Sample Name	C17_S3_6.6-8.6	C17_S4_8.6-10.6	C17_S5_10.6-12.6	C17_S6_12.6-14.6	C17_S7_14.6-18.6	C17_S8_18.6-20.6	C17_S10_22.6-24.6	C17_S11_24.6-26.6	C17A_S1_4.9-8.7	C18_S1_0.5-4.4	C18_S7_5-19	C18_S4_9-11	C18_S5_11-13	C18_S6_13-15	C18_S8_19-21	C18_S9_21-23	C18_S10_23.0-23.2	C18_S11_23.2-25		C19_S1_0.4-4.7
Sample Date	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	01/30/2015	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/16/2010	07/16/2010	07/16/2010	07/16/2010		07/02/2010
Lab Sample ID	134447-13	134447-14	134447-15	134447-16	134447-17	134447-18	134447-20	134447-21	15A1007-01 15E0551-01	134718-24 134718-29 134718-33	134718-26 134718-30 134718-34 134936-2	134718-11	134718-12	134718-13	134834-11	134834-12	134834-13	134834-14		134478-19 134478-23 134478-26 134716-1
Sample Depth (bgs)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 18.6 (ft)	18.6 - 20.6 (ft)	22.6 - 24.6 (ft)	24.6 - 26.6 (ft)	4.9 - 8.7 (ft)	0.5 - 4.4 (ft)	5 - 19 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.2 (ft)	23.2 - 25 (ft)		0.4 - 4.7 (ft)
Sample Elevation (ft BCB)	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	8.2 to 6.2	6.2 to 2.2	2.2 to 0.2	-1.8 to -3.8	-3.8 to -5.8	15.8 to 12	20.5 to 16.6	16 to 2	12 to 10	10 to 8	8 to 6	2 to 0	0 to -2	-2 to -2.2	-2.2 to -4		20.6 to 16.3
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	480	-	-	-	-	-	-	-	-	-		-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	200	160	-	-	-	-	-	-	-		89
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	140	260	-	-	-	-	-	-	-		76
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (33)	67	-	-	-	-	-	-	-		ND (33)
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	ND (1.1)	13	-	-	-	-	-	-	-		ND (1.1)
Arsenic	-	-	-	-	-	-	-	-	5.5	3.4	ND (3.5)	-	-	-	-	-	-	-		ND (3.4)
Barium	-	-	-	-	-	-	-	-	76	49	200	-	-	-	-	-	-	-		59
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.35)	-	-	-	-	-	-	-		ND (0.34)
Cadmium	-	-	-	-	-	-	-	-	4.8	0.98	5.8	-	-	-	-	-	-	-		1.6
Chromium	-	-	-	-	-	-	-	-	24	15	29	-	-	-	-	-	-	-		21
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Lead	-	-	-	-	-	-	-	-	2700	98	2100	-	-	-	-	-	-	-		110
Mercury	-	-	-	-	-	-	-	-	0.5	0.45	0.15	-	-	-	-	-	-	-		0.51
Nickel	-	-	-	-	-	-	-	-	-	12	44	-	-	-	-	-	-	-		14
Selenium	-	-	-	-	-	-	-	-	ND (5.3)	ND (5.7)	ND (6.5)	-	-	-	-	-	-	-		ND (5.7)
Silver	-	-	-	-	-	-	-	-	ND (0.53)	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-		ND (1.1)
Thallium	-	-	-	-	-	-	-	-	-	ND (5.7)	19	-	-	-	-	-	-	-		ND (5.7)
Vanadium	-	-	-	-	-	-	-	-	-	25	49	-	-	-	-	-	-	-		26
Zinc	-	-	-	-	-	-	-	-	-	92	1000	-	-	-	-	-	-	-		150
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Lead	-	-	-	-	-	-	-	-	38	-	0.9	-	-	-	-	-	-	-		ND (0.3)
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	ND (0.045)	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
Aroclor-1221 (PCB-1221)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	ND (0.045)	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
Aroclor-1232 (PCB-1232)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	ND (0.045)	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
Aroclor-1242 (PCB-1242)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	ND (0.045)	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
Aroclor-1248 (PCB-1248)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	0.44	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		0.53
Aroclor-1254 (PCB-1254)	10	0.87	ND (0.05)	0.085	0.38	0.073	ND (0.056)	1.9	-	ND (0.045)	-	0.26	17	0.17	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
Aroclor-1260 (PCB-1260)	6.5	0.55	ND (0.05)	ND (0.052)	0.29	0.049	ND (0.056)	1.4	-	0.44	-	0.19	9.5	0.091	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		0.21
Aroclor-1262 (PCB-1262)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	ND (0.045)	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
Aroclor-1268 (PCB-1268)	ND (0.96)	ND (0.053)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.045)	ND (0.056)	ND (0.056)	-	ND (0.045)	-	ND (0.052)	ND (2.5)	ND (0.056)	ND (0.057)	ND (0.063)	ND (0.061)	ND (0.064)		ND (0.044)
SUM of PCBs	16.5	1.42	ND	0.085	0.67	0.122	ND	3.3	-	0.88	-	0.45	26.5	0.261	ND	ND	ND	ND		0.74
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	93.7	-	-	-	-	-	-	-	-	-		-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-		165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (3.9)	ND (50)	ND (50)	-	-	-	-	-	-	-		ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (20)	ND (100)	ND (100)	-	-	-	-	-	-	-		ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-		-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-		-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	8.5	7.1	9.6	-	-	-	-	-	-	-		7.7
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.5)	-	-	-	-	-	-	-		ND (1.2)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	1.9	ND (1.5)	-	-	-	-	-	-	-		ND (1.2)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	1.9	ND (1.5)	-	-	-	-	-	-	-		ND (1.2)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	C19												C20							
Location Name	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C20	C20	C20	C20	C20	C20	C20	C20
Sample Name	C19_S2_5-7	C19_S9_5.1-17	C19_S3_7-9	C19_S4_9-11	C19_S5_11-13	C19_S6_13-15	C19_S7_15-17	C19_S8_17-19	C19_S10_19-21	C19_S11_21-23	C19_S12_23-23.5	C19_S13_23.5-25	C20_S1_0.6-5.5	C20_S2_6.1-6.6	C20_S3_6.6-8.6	C20_S4_8.6-10.6	C20_S9_6.1-18.6	C20_S5_10.6-12.6	C20_S6_12.6-14.6	C20_S7_14.6-16.6
Sample Date	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010
		134478-21															134718-25			
		134478-24															134718-28			
		134478-27											134654-27				134718-32			
		134716-3											134654-35				134936-1			
Lab Sample ID	134478-8	134716-4	134478-9	134478-10	134478-11	134478-12	134478-13	134478-14	134478-15	134478-16	134478-17	134478-18	134654-40	134654-28	134654-29	134654-30	134936-4	134718-1	134718-2	134718-3
Sample Depth (bgs)	5 - 7 (ft)	5.1 - 17 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.5 (ft)	23.5 - 25 (ft)	0.6 - 5.5 (ft)	6.1 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	6.1 - 18.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)
Sample Elevation (ft BCB)	16 to 14	15.9 to 4	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.5	-2.5 to -4	20 to 15.1	14.5 to 14	14 to 12	12 to 10	14.5 to 2	10 to 8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,2-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,3-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
1,4-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Acetone	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	-	ND (0.31)	-	-	-
Benzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Chlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Chloroform (Trichloromethane)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Ethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Isopropylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
m,p-Xylenes	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Methylene chloride	-	ND (0.055)	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	-	ND (0.077)	-	-	-
Naphthalene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
n-Propylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
o-Xylene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Styrene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Tetrachloroethene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Toluene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
Trichloroethene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.008)	-	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
1,2-Dichlorobenzene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
1,3-Dichlorobenzene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
1,4-Dichlorobenzene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
2,4-Dimethylphenol	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
2,4-Dinitrotoluene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
2,6-Dinitrotoluene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
2-Chloronaphthalene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
2-Methylnaphthalene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
2-Methylphenol	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
3&4-Methylphenol	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	0.64	-	-	-
Acenaphthene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Acenaphthylene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Acetophenone	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Aniline	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Anthracene	-	0.8	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-	0.7	-	-	-
Benzo(a)anthracene	-	2.9	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	2.2	-	-	-
Benzo(a)pyrene	-	2.4	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	2.3	-	-	-
Benzo(b)fluoranthene	-	3.1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	3.5	-	-	-
Benzo(g,h,i)perylene	-	0.43	-	-	-	-	-	-	-	-	-	-	0.37	-	-	-	0.94	-	-	-
Benzo(k)fluoranthene	-	0.97	-	-	-	-	-	-	-	-	-	-	0.8	-	-	-	1.3	-	-	-
bis(2-Ethylhexyl)phthalate	-	0.42	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	0.64	-	-	-
Butyl benzylphthalate	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Carbazole	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Chrysene	-	2.6	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	2.4	-	-	-
Dibenz(a,h)anthracene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Dibenzofuran	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Diethyl phthalate	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Di-n-butylphthalate	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Di-n-octyl phthalate	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Fluoranthene	-	4.6	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	3.9	-	-	-
Fluorene	-	0.38	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Indeno(1,2,3-cd)pyrene	-	0.66	-	-	-	-	-	-	-	-	-	-	0.47	-	-	-	1.1	-	-	-
Isophorone	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Naphthalene	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
N-Nitrosodiphenylamine	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Phenanthrene	-	3.1	-	-	-	-	-	-	-	-	-	-	2.1	-	-	-	3.2	-	-	-
Phenol	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.46)	-	-	-
Pyrene	-	4.6	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	3.9	-	-	-
SUM of Semi-Volatile Organic Compounds	-	26.96	-	-	-	-	-	-	-	-	-	-	16.54	-	-	-	26.72	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	C19												C20							
Location Name	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C19	C20	C20	C20	C20	C20	C20	C20	C20
Sample Name	C19_S2_5-7	C19_S9_5.1-17	C19_S3_7-9	C19_S4_9-11	C19_S5_11-13	C19_S6_13-15	C19_S7_15-17	C19_S8_17-19	C19_S10_19-21	C19_S11_21-23	C19_S12_23-23.5	C19_S13_23.5-25	C20_S1_0.6-5.5	C20_S2_6.1-6.6	C20_S3_6.6-8.6	C20_S4_8.6-10.6	C20_S9_6.1-18.6	C20_S5_10.6-12.6	C20_S6_12.6-14.6	C20_S7_14.6-16.6
Sample Date	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/02/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010
Lab Sample ID	134478-8	134478-21 134478-24 134478-27 134716-3 134716-4	134478-9	134478-10	134478-11	134478-12	134478-13	134478-14	134478-15	134478-16	134478-17	134478-18	134654-27 134654-35 134654-40	134654-28	134654-29	134654-30	134718-25 134718-28 134718-32 134936-1 134936-4	134718-1	134718-2	134718-3
Sample Depth (bgs)	5 - 7 (ft)	5.1 - 17 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 23.5 (ft)	23.5 - 25 (ft)	0.6 - 5.5 (ft)	6.1 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	6.1 - 18.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)
Sample Elevation (ft BCB)	16 to 14	15.9 to 4	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -2.5	-2.5 to -4	20 to 15.1	14.5 to 14	14 to 12	12 to 10	14.5 to 2	10 to 8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	230	-	-	-	-	-	-	-	-	-	-	80	-	-	-	230	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	220	-	-	-	-	-	-	-	-	-	-	87	-	-	-	250	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	49	-	-	-	-	-	-	-	-	-	-	ND (33)	-	-	-	50	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	25	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	19	-	-	-
Arsenic	-	ND (2.9)	-	-	-	-	-	-	-	-	-	-	ND (3.5)	-	-	-	ND (4.1)	-	-	-
Barium	-	250	-	-	-	-	-	-	-	-	-	-	38	-	-	-	280	-	-	-
Beryllium	-	ND (0.29)	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	ND (0.41)	-	-	-
Cadmium	-	19	-	-	-	-	-	-	-	-	-	-	0.88	-	-	-	12	-	-	-
Chromium	-	87	-	-	-	-	-	-	-	-	-	-	11	-	-	-	58	-	-	-
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Lead	-	2600	-	-	-	-	-	-	-	-	-	-	63	-	-	-	3100	-	-	-
Mercury	-	4.4	-	-	-	-	-	-	-	-	-	-	ND (0.019)	-	-	-	0.068	-	-	-
Nickel	-	73	-	-	-	-	-	-	-	-	-	-	10	-	-	-	86	-	-	-
Selenium	-	ND (4.8)	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	ND (9.5)	-	-	-
Silver	-	ND (0.96)	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.4)	-	-	-
Thallium	-	9.1	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	27	-	-	-
Vanadium	-	39	-	-	-	-	-	-	-	-	-	-	14	-	-	-	88	-	-	-
Zinc	-	1400	-	-	-	-	-	-	-	-	-	-	77	-	-	-	1200	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-
Mercury	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
Aroclor-1221 (PCB-1221)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
Aroclor-1232 (PCB-1232)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
Aroclor-1242 (PCB-1242)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
Aroclor-1248 (PCB-1248)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	1.4	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
Aroclor-1254 (PCB-1254)	270	-	0.8	0.29	0.2	0.13	0.099	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	21	190	0.11	-	ND (0.055)	0.77	ND (0.061)
Aroclor-1260 (PCB-1260)	190	-	0.44	0.17	0.11	0.1	0.074	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	0.3	16	110	0.081	-	ND (0.055)	0.34	ND (0.061)
Aroclor-1262 (PCB-1262)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
Aroclor-1268 (PCB-1268)	ND (46)	-	ND (0.046)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.058)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.064)	ND (0.073)	ND (0.045)	ND (4.2)	ND (25)	ND (0.049)	-	ND (0.055)	ND (0.052)	ND (0.061)
SUM of PCBs	460	-	1.24	0.46	0.31	0.23	0.173	ND	ND	ND	ND	ND	1.7	37	300	0.191	-	ND	1.11	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	6.6	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-	6.9	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	ND (2.1)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	2.4	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	-	ND (2.1)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						C21								C22				C23	C
Location Name	C20	C20	C20	C20	C20	C21	C21	C21	C21	C21	C21A	C21A	C21A	C22	C22	C22	C22	C23	C23
Sample Name	C20_S8_16.6-18.6	C20_S10_18.6-20.6	C20_S11_20.6-22.6	C20_S12_22.6-24	C20_S13_24-24.6	C21_S1_5.0-8.4	Z21_S1_5.0-8.4	C21_S2_8.4-10.4	C21_S3_10.4-12.4	C21_S4_12.4-14.4	C21A_S1_4.4-8.2	C21A_S2_4.4-6.2	C21A_S3_6.2-8.2	C22_S1_4.4-8.2	C22_S2_4.4-6.2	C22_S3_6.2-8.2	C22_S4_8.2-10.2	C23_S1_2.9-3.9	C23_S2_3.9-5.9
Sample Date	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	11/30/2015	11/30/2015
Lab Sample ID	134718-4	134718-5	134718-6	134718-7	134718-8	138733-12	138733-16	138733-13	138733-14	138733-15	15A1002-01	15A1002-02	15B0386-01	15A1001-01	15A1001-02	15B0387-01	15B0387-02	15K1347-08	15K1347-09
Sample Depth (bgs)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24 (ft)	24 - 24.6 (ft)	5 - 8.4 (ft)	5 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	2.9 - 3.9 (ft)	3.9 - 5.9 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -3.4	-3.4 to -4	15.4 to 12	15.4 to 12	12 to 10	10 to 8	8 to 6	15.8 to 12	15.8 to 14	14 to 12	15.8 to 12	15.8 to 14	14 to 12	12 to 10	17 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.073)	-	-	ND (0.12)	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.0048)	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.0073)	-	-	ND (0.012)	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.0073)	-	-	ND (0.012)	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.0024)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	0.96	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	1	-	-	2.6	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	0.91	-	-	2.5	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	1.3	-	-	3.6	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	0.49	-	-	0.9	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.67	-	-	1.5	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	1.3	-	-	2.8	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	ND (1.7)	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	1.9	-	-	4.9	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	1.1	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.42)	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	1.8	-	-	3.5	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	ND (0.84)	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	2.3	-	-	4.6	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	11.67	-	-	28.96	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						C21								C22					
Location Name	C20	C20	C20	C20	C20	C21	C21	C21	C21	C21	C21A	C21A	C21A	C22	C22	C22	C22	C23	C23
Sample Name	C20_S8_16.6-18.6	C20_S10_18.6-20.6	C20_S11_20.6-22.6	C20_S12_22.6-24	C20_S13_24-24.6	C21_S1_5.0-8.4	Z21_S1_5.0-8.4	C21_S2_8.4-10.4	C21_S3_10.4-12.4	C21_S4_12.4-14.4	C21A_S1_4.4-8.2	C21A_S2_4.4-6.2	C21A_S3_6.2-8.2	C22_S1_4.4-8.2	C22_S2_4.4-6.2	C22_S3_6.2-8.2	C22_S4_8.2-10.2	C23_S1_2.9-3.9	C23_S2_3.9-5.9
Sample Date	07/13/2010	07/13/2010	07/13/2010	07/13/2010	07/13/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	01/30/2015	11/30/2015	11/30/2015
Lab Sample ID	134718-4	134718-5	134718-6	134718-7	134718-8	138733-12	138733-16	138733-13	138733-14	138733-15	15A1002-01	15A1002-02	15B0386-01	15A1001-01	15A1001-02	15B0387-01	15B0387-02	15K1347-08	15K1347-09
Sample Depth (bgs)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24 (ft)	24 - 24.6 (ft)	5 - 8.4 (ft)	5 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	4.4 - 8.2 (ft)	4.4 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	2.9 - 3.9 (ft)	3.9 - 5.9 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -3.4	-3.4 to -4	15.4 to 12	15.4 to 12	12 to 10	10 to 8	8 to 6	15.8 to 12	15.8 to 14	14 to 12	15.8 to 12	15.8 to 14	14 to 12	12 to 10	17 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	1100	-	-	1500	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	ND (2.6)	-	-	13	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	29	-	-	360	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	0.41	-	-	6.1	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	9	-	-	39	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	76	-	-	3200	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	0.16	-	-	2.9	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	ND (5.1)	-	-	ND (5.7)	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	ND (0.51)	-	-	ND (0.57)	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	0.62	ND (0.12)	ND (0.16)	0.64	0.32
Aroclor-1254 (PCB-1254)	ND (0.064)	ND (0.053)	0.076	ND (0.055)	ND (0.072)	150	120	0.8	1.3	0.21	-	ND (0.11)	ND (0.23)	-	1.2	0.16	ND (0.16)	0.41	0.21
Aroclor-1260 (PCB-1260)	ND (0.064)	ND (0.053)	0.057	ND (0.055)	ND (0.072)	97	80	0.45	0.94	0.2	-	ND (0.11)	ND (0.23)	-	1.5	ND (0.12)	ND (0.16)	0.19	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.064)	ND (0.053)	ND (0.054)	ND (0.055)	ND (0.072)	ND (26)	ND (24)	ND (0.049)	ND (0.051)	ND (0.059)	-	ND (0.11)	ND (0.23)	-	ND (0.22)	ND (0.12)	ND (0.16)	ND (0.11)	ND (0.11)
SUM of PCBs	ND	ND	0.133	ND	ND	247	200	1.25	2.24	0.41	-	ND	ND	-	3.32	0.16	ND	1.24	0.53
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	92.9	92.8	88.6	80.8	89	81.9	60.7	89.4	89.4
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (4)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	110	-	-	110	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	8.9	-	-	7.5	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	23		C4				C5						C6								C7			
Location Name	C23	C23	C4	C4	C4	C4	C5	C5	C5	C5	C5	C5	C6	C6	C6	C6	C6A	C6A	C6A	C6A	C7	C7	C7	C7
Sample Name	C23_S3_5.9-7.9	C23_S4_7.9-9.9	C4_S1_0.7-1.7	C4_S2_1.7-3.7	C4_S3_3.7-5.7	C4_S4_5.7-7.7	C5_S1_1-6	C5_S3_1-2	C5_S4_2-4	C5_S5_4-6	C5_S2_6-8	C5_S6_6-8	C6_S1_2-5	Z6_S1_2-5	C6_S2_5-7	C6_S3_7-9	C6A_S1_1-6.5	C6A_S3_1-2.5	C6A_S4_2.5-4.5	C6A_S2_6.5-8.5	C7_S1_0-4	C7_S2_4.6-7.0	C7_S3_7-9	C7_S4_9-11
Sample Date	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/29/2015	01/29/2015	01/29/2015	01/29/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010
Lab Sample ID	15K1347-10	15K1347-11	15L0053-10	15L0053-11	15L0053-12	15L0053-13	15A0943-01 15B0131-01	15A0943-03	15A0943-04	15A0943-05	15A0943-02	15A0943-06	139069-1	139069-6	139069-2	139069-3	15A0944-01 15B0129-01	15A0944-03	15A0944-04	15A0944-02 15B0129-02	138653-43	138653-44	138653-35	138653-36
Sample Depth (bgs)	5.9 - 7.9 (ft)	7.9 - 9.9 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	2 - 5 (ft)	2 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	1 - 6.5 (ft)	1 - 2.5 (ft)	2.5 - 4.5 (ft)	6.5 - 8.5 (ft)	0 - 4 (ft)	4.6 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10					17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 14	17 to 14	14 to 12	12 to 10	17.7 to 12.2	17.7 to 16.2	16.2 to 14.2	12.2 to 10.2	21 to 17	16.4 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																								
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Acetone	-	-	-	-	-	-	ND (0.068)	-	-	-	ND (0.067)	-	-	-	-	-	ND (0.085)	-	-	ND (0.11)	-	-	-	-
Benzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	0.0026	-	-	ND (0.0022)	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	-	-	-	-	ND (0.0034)	-	-	ND (0.0045)	-	-	-	-
Methylene chloride	-	-	-	-	-	-	ND (0.0068)	-	-	-	ND (0.0067)	-	-	-	-	-	ND (0.0085)	-	-	ND (0.011)	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.0068)	-	-	-	ND (0.0067)	-	-	-	-	-	0.16	-	-	ND (0.011)	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
o-Xylene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Styrene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Toluene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
Trichloroethene	-	-	-	-	-	-	ND (0.0014)	-	-	-	ND (0.0013)	-	-	-	-	-	ND (0.0017)	-	-	ND (0.0022)	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	-	-	-	ND	-	-	-	-	-	0.1626	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	1.2	-	-	-	ND (0.18)	-	-	-	-	-	0.42	-	-	ND (0.2)	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Acenaphthene	-	-	-	-	-	-	0.97	-	-	-	ND (0.18)	-	-	-	-	-	1.8	-	-	ND (0.2)	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	2.7	-	-	-	ND (0.18)	-	-	-	-	-	ND (0.4)	-	-	ND (0.2)	-	-	-	-
Acetophenone	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Aniline	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Anthracene	-	-	-	-	-	-	6	-	-	-	ND (0.18)	-	-	-	-	-	3.4	-	-	0.24	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	14	-	-	-	0.56	-	-	-	-	-	5.1	-	-	0.85	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	14	-	-	-	0.64	-	-	-	-	-	4	-	-	0.91	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	17	-	-	-	0.76	-	-	-	-	-	5.1	-	-	1.1	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	9	-	-	-	0.43	-	-	-	-	-	2.3	-	-	0.57	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	8	-	-	-	0.26	-	-	-	-	-	2	-	-	0.45	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	14	-	-	-	0.6	-	-	-	-	-	4.8	-	-	0.84	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	2.6	-	-	-	ND (0.18)	-	-	-	-	-	0.5	-	-	ND (0.2)	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	1.4	-	-	-	ND (0.36)	-	-	-	-	-	1.1	-	-	ND (0.4)	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	ND (1.5)	-	-	-	ND (0.72)	-	-	-	-	-	ND (1.6)	-	-	ND (0.79)	-	-	-	-
Fluoranthene	-	-	-	-	-	-	23	-	-	-	0.69	-	-	-	-	-	12	-	-	1.4	-	-	-	-
Fluorene	-	-	-	-	-	-	ND (0.37)	-	-	-	ND (0.18)	-	-	-	-	-	2	-	-	ND (0.2)	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	9.4	-	-	-	0.41	-	-	-	-	-	2.1	-	-	0.59	-	-	-	-
Isophorone	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Naphthalene	-	-	-	-	-	-	2.8	-	-	-	ND (0.18)	-	-	-	-	-	0.8	-	-	ND (0.2)	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	18	-	-	-	0.32	-	-	-	-	-	13	-	-	0.84	-	-	-	-
Phenol	-	-	-	-	-	-	ND (0.74)	-	-	-	ND (0.36)	-	-	-	-	-	ND (0.8)	-	-	ND (0.4)	-	-	-	-
Pyrene	-	-	-	-	-	-	29	-	-	-	0.97	-	-	-	-	-	11	-	-	1.8	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	173.07	-	-	-	5.64	-	-	-	-	-	71.42	-	-	9.59	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	23		C4				C5						C6								C7			
Location Name	C23	C23	C4	C4	C4	C4	C5	C5	C5	C5	C5	C5	C6	C6	C6	C6	C6A	C6A	C6A	C6A	C7	C7	C7	C7
Sample Name	C23_S3_5.9-7.9	C23_S4_7.9-9.9	C4_S1_0.7-1.7	C4_S2_1.7-3.7	C4_S3_3.7-5.7	C4_S4_5.7-7.7	C5_S1_1-6	C5_S3_1-2	C5_S4_2-4	C5_S5_4-6	C5_S2_6-8	C5_S6_6-8	C6_S1_2-5	Z6_S1_2-5	C6_S2_5-7	C6_S3_7-9	C6A_S1_1-6.5	C6A_S3_1-2.5	C6A_S4_2.5-4.5	C6A_S2_6.5-8.5	C7_S1_0-4	C7_S2_4.6-7.0	C7_S3_7-9	C7_S4_9-11
Sample Date	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/29/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/29/2015	01/29/2015	01/29/2015	01/29/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010
Lab Sample ID	15K1347-10	15K1347-11	15L0053-10	15L0053-11	15L0053-12	15L0053-13	15A0943-01 15B0131-01	15A0943-03	15A0943-04	15A0943-05	15A0943-02	15A0943-06	139069-1	139069-6	139069-2	139069-3	15A0944-01 15B0129-01	15A0944-03	15A0944-04	15A0944-02 15B0129-02	138653-43	138653-44	138653-35	138653-36
Sample Depth (bgs)	5.9 - 7.9 (ft)	7.9 - 9.9 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	2 - 5 (ft)	2 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	1 - 6.5 (ft)	1 - 2.5 (ft)	2.5 - 4.5 (ft)	6.5 - 8.5 (ft)	0 - 4 (ft)	4.6 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10					17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 14	17 to 14	14 to 12	12 to 10	17.7 to 12.2	17.7 to 16.2	16.2 to 14.2	12.2 to 10.2	21 to 17	16.4 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																								
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	140	-	-	-	120	-	-	-	-	-	390	-	-	3000	-	-	-	-
EPH (mg/kg)																								
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																								
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	6.3	-	-	-	ND (2.7)	-	-	-	-	-	4.5	-	-	12	-	-	-	-
Barium	-	-	-	-	-	-	28	-	-	-	26	-	-	-	-	-	150	-	-	130	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	2.5	-	-	-	0.32	-	-	-	-	-	2.5	-	-	0.77	-	-	-	-
Chromium	-	-	-	-	-	-	11	-	-	-	10	-	-	-	-	-	23	-	-	10	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	6900	-	-	-	68	-	-	-	-	-	990	-	-	2200	-	-	-	-
Mercury	-	-	-	-	-	-	0.4	-	-	-	0.36	-	-	-	-	-	1.3	-	-	1.6	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	ND (5.2)	-	-	-	ND (5.3)	-	-	-	-	-	ND (5.5)	-	-	ND (5.5)	-	-	-	-
Silver	-	-	-	-	-	-	ND (0.52)	-	-	-	ND (0.53)	-	-	-	-	-	ND (0.55)	-	-	ND (0.55)	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	0.29	-	-	-	-	-	-	-	-	-	0.42	-	-	1.1	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																								
Aroclor-1016 (PCB-1016)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
Aroclor-1221 (PCB-1221)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
Aroclor-1232 (PCB-1232)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
Aroclor-1242 (PCB-1242)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
Aroclor-1248 (PCB-1248)	ND (0.1)	ND (0.11)	ND (0.11)	0.44	ND (0.11)	ND (0.12)	-	0.49	6	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	0.43	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
Aroclor-1254 (PCB-1254)	ND (0.1)	ND (0.11)	ND (0.11)	1.1	ND (0.11)	ND (0.12)	-	0.67	6.8	0.13	-	ND (0.11)	21	15	0.056	0.054	-	0.25	1.2	-	0.67	56	33	ND (0.05)
Aroclor-1260 (PCB-1260)	ND (0.1)	ND (0.11)	ND (0.11)	1.2	ND (0.11)	ND (0.12)	-	0.39	6.6	ND (0.11)	-	ND (0.11)	14	9.2	ND (0.053)	0.051	-	0.4	1.8	-	0.47	32	ND (23)	0.093
Aroclor-1262 (PCB-1262)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
Aroclor-1268 (PCB-1268)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.11)	ND (0.12)	-	ND (0.1)	ND (1.1)	ND (0.11)	-	ND (0.11)	ND (4.5)	ND (2.3)	ND (0.053)	ND (0.051)	-	ND (0.11)	ND (0.22)	-	ND (0.46)	ND (9.6)	ND (23)	ND (0.05)
SUM of PCBs	ND	ND	ND	2.74	ND	ND	-	1.55	19.4	0.13	-	ND	35	24.2	0.056	0.105	-	0.65	3.43	-	1.14	88	33	0.093
Other																								
Percent Solids, vol. (%wt)	95.6	89.2	87.2	94.6	89.7	85	91.6	96.5	92.9	87.3	93.5	93.5	-	-	-	-	84.8	93	87.9	84	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (4)	-	-	-	ND (4)	-	-	-	-	-	ND (3.9)	-	-	ND (3.9)	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (20)	-	-	-	ND (20)	-	-	-	-	-	ND (19)	-	-	ND (20)	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	77	-	-	-	82	-	-	-	-	-	86	-	-	110	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	NI	-	-	-	NI	-	-	-	-	-	NI	-	-	NI	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	8.6	-	-	-	8.4	-	-	-	-	-	11	-	-	8.2	-	-	-	-
VPH (mg/kg)																								
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			C8									C9							D	
Location Name	C7A	C7A	C8	C8	C8	C8	C8	C8	C8	C8	C8	C9	C9	C9	C9	C9	C9	C9A	D10	D10
Sample Name	C7A_S1_4.3-7.0	C7A_S2_4.9-6.9	C8_S1_0.0-4.0	C8_S2_4.3-6.5	C8_S3_4.3-8.0	C8_S8_7.0-9.0	C8_S5_8.0-13.0	C8_S4_9.0-11.0	C8_S5_11.0-13.0	C8_S6_13.0-15.0	C8_S7_15.0-17.0	C9_S1_5-7	C9_S2_7.0-7.7	C9_S2_8-9	Z9_S2_8-9	C9_S3_9-11	C9_S4_11-13	C9A_S1_4.3-9.3	D10_S1_4.8-9.1	D10_S2_5.1-7.1
Sample Date	01/29/2015	01/29/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	01/10/2011	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/30/2015	02/11/2015	02/11/2015
					138653-55															
					138653-65															
					138653-76		138653-56													
					138803-2		138653-66													
	15A0941-01				138803-3		138653-77												15B0359-01	
Lab Sample ID	15B0130-01	15A0941-02	138653-37	138653-38	138803-8	138653-78	138803-9	138653-39	138653-40	138653-41	138653-42	139069-4	139069-5	139103-19	139103-26	139103-20	139103-21	15A1003-01	15B0555-01	15B0359-02
Sample Depth (bgs)	4.3 - 7 (ft)	4.9 - 6.9 (ft)	0 - 4 (ft)	4.3 - 6.5 (ft)	4.3 - 8 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	5 - 7 (ft)	7 - 7.7 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	11 - 13 (eq/L)	4.4 - 8.2 (ft)	4.8 - 9.1 (ft)	5.1 - 7.1 (ft)
Sample Elevation (ft BCB)	16.6 to 13.9	16 to 14	21 to 17	16.7 to 14.5	16.7 to 13	14 to 12	13 to 8	12 to 10	10 to 8	8 to 6	6 to 4	16 to 14	14 to 13.3	13 to 12	13 to 12	12 to 10	10 to 8	16.9 to 13.1	16.3 to 12	16 to 14
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	ND (0.0038)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	ND (0.0033)	-
1,2,4-Trichlorobenzene	ND (0.0038)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	ND (0.0016)	-
1,2,4-Trimethylbenzene	0.0022	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
1,2-Dichlorobenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
1,3-Dichlorobenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
1,4-Dichlorobenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Acetone	ND (0.096)	-	-	-	ND (2.7)	-	ND (0.21)	-	-	-	-	-	-	-	-	-	-	ND (0.072)	ND (0.081)	-
Benzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Chlorobenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Chloroform (Trichloromethane)	ND (0.0038)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	ND (0.0033)	-
Cymene (p-Isopropyltoluene)	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Ethylbenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Isopropylbenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
m,p-Xylenes	ND (0.0038)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	ND (0.0033)	-
Methyl Tert Butyl Ether	ND (0.0038)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	ND (0.0033)	-
Methylene chloride	ND (0.0096)	-	-	-	ND (1.1)	-	ND (0.054)	-	-	-	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0081)	-
Naphthalene	0.021	-	-	-	1.1	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0081)	-
n-Propylbenzene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
o-Xylene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Styrene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Tetrachloroethene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Toluene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
Trichloroethene	ND (0.0019)	-	-	-	ND (0.27)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0016)	-
SUM of Volatile Organic Compounds	0.0232	-	-	-	1.1	-	ND	-	-	-	-	-	-	-	-	-	-	ND	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
1,2-Dichlorobenzene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
1,3-Dichlorobenzene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
1,4-Dichlorobenzene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
2,4-Dimethylphenol	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
2,4-Dinitrotoluene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
2,6-Dinitrotoluene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
2-Chloronaphthalene	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
2-Methylnaphthalene	4.9	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.5	ND (0.19)	-
2-Methylphenol	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
3&4-Methylphenol	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Acenaphthene	9.1	-	-	-	0.58	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.1	0.23	-
Acenaphthylene	2.1	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	ND (0.19)	-
Acetophenone	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Aniline	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Anthracene	15	-	-	-	1.4	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2.1	0.41	-
Benzo(a)anthracene	11	-	-	-	2.7	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2.9	0.9	-
Benzo(a)pyrene	6.7	-	-	-	2.7	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2.5	0.85	-
Benzo(b)fluoranthene	9.2	-	-	-	4.6	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	3.3	1	-
Benzo(g,h,i)perylene	3.2	-	-	-	0.49	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	2	0.55	-
Benzo(k)fluoranthene	3.6	-	-	-	1.5	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.1	0.38	-
bis(2-Ethylhexyl)phthalate	6.4	-	-	-	7.9	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	0.95	-
Butyl benzylphthalate	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Carbazole	-	-	-	-	0.47	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	9.5	-	-	-	3	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	3.1	0.93	-
Dibenz(a,h)anthracene	0.97	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (0.8)	ND (0.19)	-
Dibenzofuran	9.6	-	-	-	0.59	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Diethyl phthalate	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Di-n-butylphthalate	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Di-n-octyl phthalate	ND (1.5)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (3.2)	ND (0.74)	-
Fluoranthene	30	-	-	-	6.4	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	6.9	2.1	-
Fluorene	13	-	-	-	0.88	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.6	0.29	-
Indeno(1,2,3-cd)pyrene	3.4	-	-	-	0.67	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	1.9	0.72	-
Isophorone	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Naphthalene	3.5	-	-	-	0.72	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	3.7	0.25	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	45	-	-	-	5.5	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	7.9	1.7	-
Phenol	ND (0.79)	-	-	-	ND (0.38)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (0.38)	-
Pyrene	27	-	-	-	4.8	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	6.6	2.1	-
SUM of Semi-Volatile Organic Compounds	213.17	-	-	-	44.9	-	ND	-	-	-	-	-	-	-	-	-	-	48.2	13.36	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			C8									C9							D	
Location Name	C7A	C7A	C8	C8	C8	C8	C8	C8	C8	C8	C8	C9	C9	C9	C9	C9	C9	C9A	D10	D10
Sample Name	C7A_S1_4.3-7.0	C7A_S2_4.9-6.9	C8_S1_0.0-4.0	C8_S2_4.3-6.5	C8_S3_4.3-8.0	C8_S8_7.0-9.0	C8_S5_8.0-13.0	C8_S4_9.0-11.0	C8_S5_11.0-13.0	C8_S6_13.0-15.0	C8_S7_15.0-17.0	C9_S1_5-7	C9_S2_7.0-7.7	C9_S2_8-9	Z9_S2_8-9	C9_S3_9-11	C9_S4_11-13	C9A_S1_4.3-9.3	D10_S1_4.8-9.1	D10_S2_5.1-7.1
Sample Date	01/29/2015	01/29/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	01/10/2011	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/30/2015	02/11/2015	02/11/2015
					138653-55															
					138653-65															
					138653-76		138653-56													
					138803-2		138653-66													
	15A0941-01				138803-3		138653-77												15B0359-01	
Lab Sample ID	15B0130-01	15A0941-02	138653-37	138653-38	138803-8	138653-78	138803-9	138653-39	138653-40	138653-41	138653-42	139069-4	139069-5	139103-19	139103-26	139103-20	139103-21	15A1003-01	15B0555-01	15B0359-02
Sample Depth (bgs)	4.3 - 7 (ft)	4.9 - 6.9 (ft)	0 - 4 (ft)	4.3 - 6.5 (ft)	4.3 - 8 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	5 - 7 (ft)	7 - 7.7 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	11 - 13 (eq/L)	4.4 - 8.2 (ft)	4.8 - 9.1 (ft)	5.1 - 7.1 (ft)
Sample Elevation (ft BCB)	16.6 to 13.9	16 to 14	21 to 17	16.7 to 14.5	16.7 to 13	14 to 12	13 to 8	12 to 10	10 to 8	8 to 6	6 to 4	16 to 14	14 to 13.3	13 to 12	13 to 12	12 to 10	10 to 8	16.9 to 13.1	16.3 to 12	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300	2200	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	500	-	460	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	570	-	650	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	80	-	710	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	34	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	9.5	-	-	-	6.8	-	ND (3.9)	-	-	-	-	-	-	-	-	-	-	4.3	4.6	-
Barium	380	-	-	-	510	-	52	-	-	-	-	-	-	-	-	-	-	420	170	-
Beryllium	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	8.8	-	-	-	10	-	1.4	-	-	-	-	-	-	-	-	-	-	8.9	7.6	-
Chromium	39	-	-	-	48	-	9.8	-	-	-	-	-	-	-	-	-	-	56	22	-
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2500	-	-	-	2800	-	320	-	-	-	-	-	-	-	-	-	-	2700	850	-
Mercury	2.2	-	-	-	6.4	-	0.69	-	-	-	-	-	-	-	-	-	-	1.8	0.76	-
Nickel	-	-	-	-	74	-	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	ND (5.7)	-	-	-	ND (6)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (5.6)	-
Silver	ND (0.57)	-	-	-	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (0.56)	-
Thallium	-	-	-	-	ND (6)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	110	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	2700	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.093	-	-	-	140	-	20	-	-	-	-	-	-	-	-	-	-	2.2	0.037	-
Mercury	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	-	ND (1.2)	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
Aroclor-1221 (PCB-1221)	-	ND (1.2)	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
Aroclor-1232 (PCB-1232)	-	ND (1.2)	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
Aroclor-1242 (PCB-1242)	-	ND (1.2)	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
Aroclor-1248 (PCB-1248)	-	5.6	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
Aroclor-1254 (PCB-1254)	-	8.2	0.34	63	-	0.16	-	1	ND (0.054)	0.12	0.058	160	130	0.15	0.17	0.24	0.37	-	-	0.23
Aroclor-1260 (PCB-1260)	-	3.8	0.18	32	-	0.089	-	0.48	ND (0.054)	0.06	ND (0.053)	80	74	0.098	0.095	0.12	0.18	-	-	0.28
Aroclor-1262 (PCB-1262)	-	ND (1.2)	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
Aroclor-1268 (PCB-1268)	-	ND (1.2)	ND (0.045)	ND (9.6)	-	ND (0.046)	-	ND (0.052)	ND (0.054)	ND (0.046)	ND (0.053)	ND (25)	ND (24)	ND (0.045)	ND (0.048)	ND (0.05)	ND (0.049)	-	-	ND (0.11)
SUM of PCBs	-	17.6	0.52	95	-	0.249	-	1.48	ND	0.18	0.058	240	204	0.248	0.265	0.36	0.55	-	-	0.51
Other																				
Percent Solids, vol. (%wt)	86.5	85.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84.9	90.4	88.4
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (3.9)	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	ND (3.9)	-
Reactive Sulfide (mg/kg)	ND (20)	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	ND (20)	-
Oxidation reduction potential (mv)	91	-	-	-	440	-	-	-	-	-	-	-	-	-	-	-	-	110	92	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	NI	-
pH Corrosivity (pH units)	11	-	-	-	6.8	-	7	-	-	-	-	-	-	-	-	-	-	11	10	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	1.8	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	4.3	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	3.5	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	10		D11			D12														
Location Name	D10	D10	D11	D11	D11	D12	D12	D12	D12	D12	D12	D12	D12	D12	D13	D13	D13	D13	D13	D13
Sample Name	D10_S3_7.1-9.1	D10_S4_9.1-11.1	D11_S1_7.1-9.1	D11_S2_7.1-9.1	D11_S3_9.1-11.1	D12_S1_1-3	D12_S2_3-4.3	Y22_S1_0-2	D12_S3_7-9	D12_S4_7-10	D12_S5_9-11	D12_S6_10-15	D12_S7_11-13	D12_S8_15-18	D13_S1_0.4-3.7	D13_S2_5.3-15.2	D13_S3_5.3-6.5	D13_S4_7.2-8.2	D13_S5_11.2-13.2	D13_S6_13.2-15.2
Sample Date	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/20/2010	06/03/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	15B0758-01	15B0758-02	15B0830-01 15C0131-01	15C0179-01	15C0179-02	138690-21	138690-22	138690-33	138690-23	138690-46 138690-57 138690-69 138879-6	138690-24	138690-37 138690-58 138690-70 138879-7	138690-25	138726-19 138726-25 138726-9 138880-1	133644-37 133644-46 133644-53 133842-3	133689-25 133689-53 133689-62 133883-3	133689-26	133689-27	133689-28	133689-29
Sample Depth (bgs)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	7.1 - 9.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	1 - 3 (ft)	3 - 4.3 (ft)	3 - 4.3 (ft)	7 - 9 (ft)	7 - 10 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	15 - 18 (ft)	0.4 - 3.7 (ft)	5.3 - 15.2 (ft)	5.3 - 6.5 (ft)	7.2 - 8.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	14 to 12	14 to 12	12 to 10	20.1 to 18.1	18.1 to 16.8	18.1 to 16.8	14.1 to 12.1	14.1 to 11.1	12.1 to 10.1	11.1 to 6.1	10.1 to 8.1	6.1 to 3.1	20.8 to 17.5	15.9 to 6	15.9 to 14.7	14 to 13	10 to 8	8 to 6
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	ND (0.0022)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.0022)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Acetone	-	-	ND (0.056)	-	-	-	-	-	-	ND (0.2)	-	ND (3.1)	-	ND (0.46)	ND (0.3)	ND (0.26)	-	-	-	-
Benzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Chlorobenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.0022)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Ethylbenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Isopropylbenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
m,p-Xylenes	-	-	ND (0.0022)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.0022)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Methylene chloride	-	-	ND (0.0056)	-	-	-	-	-	-	ND (0.05)	-	ND (1.2)	-	ND (0.12)	ND (0.076)	ND (0.066)	-	-	-	-
Naphthalene	-	-	ND (0.0056)	-	-	-	-	-	-	ND (0.005)	-	3.6	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
n-Propylbenzene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
o-Xylene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Styrene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Tetrachloroethene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Toluene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
Trichloroethene	-	-	ND (0.0011)	-	-	-	-	-	-	ND (0.005)	-	ND (0.31)	-	ND (0.012)	ND (0.008)	ND (0.007)	-	-	-	-
SUM of Volatile Organic Compounds	-	-	ND	-	-	-	-	-	-	ND	-	3.6	-	ND	ND	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
2,4-Dimethylphenol	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
2,4-Dinitrotoluene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
2,6-Dinitrotoluene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
2-Chloronaphthalene	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
2-Methylnaphthalene	-	-	0.42	-	-	-	-	-	-	ND (0.37)	-	9.8	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
2-Methylphenol	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
3&4-Methylphenol	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	1.5	ND (0.35)	ND (0.38)	-	-	-	-
Acenaphthene	-	-	1.7	-	-	-	-	-	-	ND (0.37)	-	23	-	0.71	ND (0.35)	ND (0.38)	-	-	-	-
Acenaphthylene	-	-	ND (0.19)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Acetophenone	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Aniline	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Anthracene	-	-	2.6	-	-	-	-	-	-	0.62	-	39	-	1.5	0.43	0.4	-	-	-	-
Benzo(a)anthracene	-	-	5	-	-	-	-	-	-	1.6	-	41	-	2.2	0.74	0.65	-	-	-	-
Benzo(a)pyrene	-	-	4.5	-	-	-	-	-	-	1.8	-	34	-	1.7	0.61	0.56	-	-	-	-
Benzo(b)fluoranthene	-	-	5.7	-	-	-	-	-	-	2.5	-	47	-	2	0.77	0.76	-	-	-	-
Benzo(g,h,i)perylene	-	-	2.8	-	-	-	-	-	-	0.71	-	7.1	-	0.91	0.4	ND (0.38)	-	-	-	-
Benzo(k)fluoranthene	-	-	2.4	-	-	-	-	-	-	0.74	-	15	-	0.67	ND (0.35)	ND (0.38)	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	0.74	-	-	-	-	-	-	0.45	-	ND (2.1)	-	ND (0.59)	0.52	1.4	-	-	-	-
Butyl benzylphthalate	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (10)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.37)	-	16	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Chrysene	-	-	5.1	-	-	-	-	-	-	1.4	-	37	-	1.9	0.76	0.63	-	-	-	-
Dibenz(a,h)anthracene	-	-	0.83	-	-	-	-	-	-	ND (0.37)	-	2.6	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Dibenzofuran	-	-	1.1	-	-	-	-	-	-	ND (0.37)	-	19	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Diethyl phthalate	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	0.55	-	-	-	-
Di-n-butylphthalate	-	-	0.61	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Di-n-octyl phthalate	-	-	ND (0.75)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Fluoranthene	-	-	11	-	-	-	-	-	-	3.1	-	86	-	4.3	1.6	1.6	-	-	-	-
Fluorene	-	-	1.9	-	-	-	-	-	-	ND (0.37)	-	24	-	0.84	ND (0.35)	ND (0.38)	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	3.3	-	-	-	-	-	-	0.9	-	9.7	-	0.96	0.39	ND (0.38)	-	-	-	-
Isophorone	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Naphthalene	-	-	0.87	-	-	-	-	-	-	ND (0.37)	-	17	-	0.7	ND (0.35)	ND (0.38)	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Phenanthrene	-	-	11	-	-	-	-	-	-	2.5	-	140	-	4.9	1.4	1.7	-	-	-	-
Phenol	-	-	ND (0.38)	-	-	-	-	-	-	ND (0.37)	-	ND (2.1)	-	ND (0.59)	ND (0.35)	ND (0.38)	-	-	-	-
Pyrene	-	-	9	-	-	-	-	-	-	2.8	-	88	-	4.7	1.4	1.2	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	70.57	-	-	-	-	-	-	19.12	-	655.2	-	29.49	9.02	9.45	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	10		D11			D12														
Location Name	D10	D10	D11	D11	D11	D12	D12	D12	D12	D12	D12	D12	D12	D12	D13	D13	D13	D13	D13	D13
Sample Name	D10_S3_7.1-9.1	D10_S4_9.1-11.1	D11_S1_7.1-9.1	D11_S2_7.1-9.1	D11_S3_9.1-11.1	D12_S1_1-3	D12_S2_3-4.3	Y22_S1_0-2	D12_S3_7-9	D12_S4_7-10	D12_S5_9-11	D12_S6_10-15	D12_S7_11-13	D12_S8_15-18	D13_S1_0.4-3.7	D13_S2_5.3-15.2	D13_S3_5.3-6.5	D13_S4_7.2-8.2	D13_S5_11.2-13.2	D13_S6_13.2-15.2
Sample Date	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/20/2010	06/03/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	15B0758-01	15B0758-02	15B0830-01 15C0131-01	15C0179-01	15C0179-02	138690-21	138690-22	138690-33	138690-23	138690-46 138690-57 138690-69 138879-6	138690-24	138690-37 138690-58 138690-70 138879-7	138690-25	138726-19 138726-25 138726-9 138880-1	133644-37 133644-46 133644-53 133842-3	133689-25 133689-53 133689-62 133883-3	133689-26	133689-27	133689-28	133689-29
Sample Depth (bgs)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	7.1 - 9.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	1 - 3 (ft)	3 - 4.3 (ft)	3 - 4.3 (ft)	7 - 9 (ft)	7 - 10 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	15 - 18 (ft)	0.4 - 3.7 (ft)	5.3 - 15.2 (ft)	5.3 - 6.5 (ft)	7.2 - 8.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	14 to 12	14 to 12	12 to 10	20.1 to 18.1	18.1 to 16.8	18.1 to 16.8	14.1 to 12.1	14.1 to 11.1	12.1 to 10.1	11.1 to 6.1	10.1 to 8.1	6.1 to 3.1	20.8 to 17.5	15.9 to 6	15.9 to 14.7	14 to 13	10 to 8	8 to 6
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	310	-	1200	-	280	75	65	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	390	-	69	-	260	120	96	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	69	-	65	-	60	ND (31)	ND (34)	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	18	-	1.8	-	2.6	1.7	2.1	-	-	-	-
Arsenic	-	-	5.3	-	-	-	-	-	-	5.8	-	12	-	10	ND (3.3)	ND (3.4)	-	-	-	-
Barium	-	-	310	-	-	-	-	-	-	210	-	170	-	350	56	63	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.38)	-	ND (0.34)	ND (0.33)	ND (0.34)	-	-	-	-
Cadmium	-	-	4.2	-	-	-	-	-	-	6.8	-	2	-	1.2	0.67	1.1	-	-	-	-
Chromium	-	-	24	-	-	-	-	-	-	29	-	12	-	22	11	16	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	1900	-	-	-	-	-	-	3200	-	680	-	650	130	430	-	-	-	-
Mercury	-	-	5.4	-	-	-	-	-	-	2.2	-	5.8	-	3.5	0.14	0.88	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	45	-	20	-	14	9.2	12	-	-	-	-
Selenium	-	-	ND (5.9)	-	-	-	-	-	-	ND (5.6)	-	ND (6.3)	-	ND (5.7)	ND (5.5)	ND (5.7)	-	-	-	-
Silver	-	-	ND (0.59)	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	ND (1.1)	ND (1.1)	ND (1.1)	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.3)	-	ND (5.7)	ND (5.5)	ND (5.7)	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	79	-	30	-	27	20	38	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	1700	-	480	-	300	61	170	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	70	-	-	-	-	-	-	73	-	1.4	-	-	ND (0.3)	6	-	-	-	-
Mercury	-	-	0.00074	-	-	-	-	-	-	-	-	ND (0.0002)	-	0.0006	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.045)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.045)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.045)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.045)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	1.9	ND (0.1)	-	1.8	ND (0.11)	1.1	ND (0.043)	0.75	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	1.9	0.32	-	4.6	ND (0.11)	ND (0.045)	1.4	ND (0.045)	0.3	-	0.12	ND (0.05)	0.92	-	0.38	-	0.18	35	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	1.1	0.71	-	6.1	ND (0.11)	0.42	0.71	0.29	0.4	-	0.1	0.17	1.3	-	0.18	-	0.29	32	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.045)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.57)	ND (0.1)	-	ND (1.1)	ND (0.11)	ND (0.045)	ND (0.043)	ND (0.045)	ND (0.044)	-	ND (0.049)	ND (0.05)	ND (0.053)	-	ND (0.04)	-	ND (0.04)	ND (4.4)	ND (0.04)	ND (0.04)
SUM of PCBs	4.9	1.03	-	12.5	ND	1.52	2.11	1.04	0.7	-	0.22	0.17	2.22	-	0.56	-	0.47	67	ND	ND
Other																				
Percent Solids, vol. (%wt)	86.3	93.8	89.5	90.1	84.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	165 >	165 >	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (3.9)	-	-	-	-	-	-	ND (50)	-	ND (50)	-	ND (50)	ND (50)	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (19)	-	-	-	-	-	-	ND (100)	-	ND (100)	-	ND (100)	ND (100)	ND (100)	-	-	-	-
Oxidation reduction potential (mv)	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	9	-	-	-	-	-	-	6.8	-	7	-	6.8	6.9	9.6	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	ND (1.3)	ND (1.7)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	ND (1.3)	2.8	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	ND (3.2)	ND (1.3)	4.4	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D13								D14										
Location Name	D13	D13	D13	D13	D13	D13A	D13A	D13A	D14	D14	D14	D14	D14	D14	D14	D14	D14	D15	D15
Sample Name	D13_S7_15.2-17.2	D13_S8_17.2-19.2	D13_S12_19.2-21.2	D13_S13_21.2-23.2	D13_S14_23.2-25.2	D13A_S1_6.4-11.1	D13A_S2_6.4-9.1	D13A_S3_9.1-11.1	D14_S1_0.5-5.5	D14_S2_6-17	D14_S4_9-11	D14_S5_11-13	D14_S6_13-15	D14_S7_15-17	D14_S8_17-19	D14_S9_19-21	D14_S10_22-23	D15_S1_0.4-4.8	D15_S2_5.2-18.2
Sample Date	06/04/2010	06/04/2010	06/07/2010	06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010
Lab Sample ID	133689-30	133689-31	133708-1	133708-2	133708-3	133644-36 15B0362-01 15B0557-01	15B0362-02	15B0362-03	133644-39 133644-45 133644-44 133644-51	133644-52 133842-5 133842-7	133644-26	133644-27	133644-28	133644-29	133644-30	133644-31	133644-32	133618-47 133618-57 133618-67	133618-48 133618-58 133618-68 133765-3
Sample Depth (bgs)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	6.4 - 11.1 (ft)	6.4 - 9.1 (ft)	9.1 - 11.1 (ft)	0.5 - 5.5 (ft)	6 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	22 - 23 (ft)	0.4 - 4.8 (ft)	5.2 - 18.2 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.7 to 10	14.7 to 12	12 to 10	20.6 to 15.6	15.1 to 4.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	-0.9 to -1.9	20.8 to 16.4	16 to 3
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0035)	-	-	ND (0.007)	0.53	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	0.98	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Acetone	-	-	-	-	-	ND (0.088)	-	-	ND (0.29)	ND (3.5)	-	-	-	-	-	-	-	ND (0.34)	ND (0.66)
Benzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Chlorobenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0035)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Ethylbenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Isopropylbenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
m,p-Xylenes	-	-	-	-	-	ND (0.0035)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0035)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Methylene chloride	-	-	-	-	-	ND (0.0088)	-	-	ND (0.073)	ND (1.4)	-	-	-	-	-	-	-	ND (0.086)	ND (0.16)
Naphthalene	-	-	-	-	-	ND (0.0088)	-	-	ND (0.007)	0.75	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
n-Propylbenzene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
o-Xylene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Styrene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	1.2	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Tetrachloroethene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Toluene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
Trichloroethene	-	-	-	-	-	ND (0.0018)	-	-	ND (0.007)	ND (0.35)	-	-	-	-	-	-	-	ND (0.009)	ND (0.016)
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	ND	3.46	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	0.42	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
2,4-Dimethylphenol	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
2-Chloronaphthalene	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
2-Methylnaphthalene	-	-	-	-	-	0.45	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
2-Methylphenol	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
3&4-Methylphenol	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Acenaphthene	-	-	-	-	-	0.38	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	0.37	ND (0.37)
Acenaphthylene	-	-	-	-	-	ND (0.19)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Acetophenone	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Aniline	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Anthracene	-	-	-	-	-	0.94	-	-	0.54	0.64	-	-	-	-	-	-	-	0.73	0.48
Benzo(a)anthracene	-	-	-	-	-	2	-	-	1.6	1.7	-	-	-	-	-	-	-	1.7	1
Benzo(a)pyrene	-	-	-	-	-	1.5	-	-	1.4	1.5	-	-	-	-	-	-	-	1.5	0.84
Benzo(b)fluoranthene	-	-	-	-	-	2	-	-	1.7	2.2	-	-	-	-	-	-	-	1.8	1
Benzo(g,h,i)perylene	-	-	-	-	-	0.72	-	-	0.88	0.61	-	-	-	-	-	-	-	0.99	0.58
Benzo(k)fluoranthene	-	-	-	-	-	0.75	-	-	0.61	0.74	-	-	-	-	-	-	-	0.61	0.39
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	0.66	-	-	0.35	1.4	-	-	-	-	-	-	-	1.8	2
Butyl benzylphthalate	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Carbazole	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Chrysene	-	-	-	-	-	2	-	-	1.4	1.7	-	-	-	-	-	-	-	1.6	0.98
Dibenz(a,h)anthracene	-	-	-	-	-	0.28	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Dibenzofuran	-	-	-	-	-	0.65	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Diethyl phthalate	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Di-n-butylphthalate	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Di-n-octyl phthalate	-	-	-	-	-	ND (0.73)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Fluoranthene	-	-	-	-	-	4.1	-	-	3.1	3.4	-	-	-	-	-	-	-	3.3	2.1
Fluorene	-	-	-	-	-	0.59	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	0.38	ND (0.37)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	0.92	-	-	1	0.85	-	-	-	-	-	-	-	1.1	0.62
Isophorone	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Naphthalene	-	-	-	-	-	0.88	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	0.45	ND (0.37)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Phenanthrene	-	-	-	-	-	4	-	-	1.9	2.5	-	-	-	-	-	-	-	2.6	1.9
Phenol	-	-	-	-	-	ND (0.37)	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)
Pyrene	-	-	-	-	-	3.8	-	-	2.6	2.9	-	-	-	-	-	-	-	3.1	2.1
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	26.62	-	-	17.08	20.56	-	-	-	-	-	-	-	22.03	13.99

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D13								D14										
Location Name	D13	D13	D13	D13	D13	D13A	D13A	D13A	D14	D14	D14	D14	D14	D14	D14	D14	D14	D15	D15
Sample Name	D13_S7_15.2-17.2	D13_S8_17.2-19.2	D13_S12_19.2-21.2	D13_S13_21.2-23.2	D13_S14_23.2-25.2	D13A_S1_6.4-11.1	D13A_S2_6.4-9.1	D13A_S3_9.1-11.1	D14_S1_0.5-5.5	D14_S2_6-17	D14_S4_9-11	D14_S5_11-13	D14_S6_13-15	D14_S7_15-17	D14_S8_17-19	D14_S9_19-21	D14_S10_22-23	D15_S1_0.4-4.8	D15_S2_5.2-18.2
Sample Date	06/04/2010	06/04/2010	06/07/2010	06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010
Lab Sample ID	133689-30	133689-31	133708-1	133708-2	133708-3	15B0362-01 15B0557-01	15B0362-02	15B0362-03	133644-36 133644-44 133644-51	133644-39 133644-45 133644-52 133842-5 133842-7	133644-26	133644-27	133644-28	133644-29	133644-30	133644-31	133644-32	133618-47 133618-57 133618-67	133618-48 133618-58 133618-68 133765-3
Sample Depth (bgs)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	6.4 - 11.1 (ft)	6.4 - 9.1 (ft)	9.1 - 11.1 (ft)	0.5 - 5.5 (ft)	6 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	22 - 23 (ft)	0.4 - 4.8 (ft)	5.2 - 18.2 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.7 to 10	14.7 to 12	12 to 10	20.6 to 15.6	15.1 to 4.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	-0.9 to -1.9	20.8 to 16.4	16 to 3
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	580	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	88	300	-	-	-	-	-	-	-	82	130
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	90	520	-	-	-	-	-	-	-	100	85
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (30)	130	-	-	-	-	-	-	-	ND (33)	ND (34)
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	1.7	48	-	-	-	-	-	-	-	1.4	1.3
Arsenic	-	-	-	-	-	5.8	-	-	ND (3.2)	ND (3.9)	-	-	-	-	-	-	-	ND (3.3)	5.2
Barium	-	-	-	-	-	230	-	-	35	290	-	-	-	-	-	-	-	30	200
Beryllium	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.39)	-	-	-	-	-	-	-	ND (0.33)	ND (0.36)
Cadmium	-	-	-	-	-	3.7	-	-	0.63	15	-	-	-	-	-	-	-	ND (0.55)	1.1
Chromium	-	-	-	-	-	20	-	-	10	190	-	-	-	-	-	-	-	9.2	22
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	1400	-	-	60	7200	-	-	-	-	-	-	-	36	580
Mercury	-	-	-	-	-	0.36	-	-	0.48	13	-	-	-	-	-	-	-	0.39	1.6
Nickel	-	-	-	-	-	-	-	-	6.9	130	-	-	-	-	-	-	-	6.2	24
Selenium	-	-	-	-	-	ND (5.8)	-	-	ND (5.3)	13	-	-	-	-	-	-	-	ND (5.5)	ND (5.9)
Silver	-	-	-	-	-	ND (0.58)	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
Thallium	-	-	-	-	-	-	-	-	ND (5.3)	ND (6.4)	-	-	-	-	-	-	-	ND (5.5)	ND (5.9)
Vanadium	-	-	-	-	-	-	-	-	15	200	-	-	-	-	-	-	-	14	28
Zinc	-	-	-	-	-	-	-	-	75	1700	-	-	-	-	-	-	-	50	230
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	0.027	-	-	-	340	-	-	-	-	-	-	-	-	ND (0.3)
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	6.4	6.3	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	4.8	5.5	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	5.6	6.3	0.91	-	280	180	0.66	24	34	0.49	0.49	0.54	16
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	2.5	3	0.36	-	170	110	0.47	13	15	0.33	0.32	0.24	5
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (1)	ND (1.1)	ND (0.2)	-	ND (11)	ND (11)	ND (0.04)	ND (2.9)	ND (5.3)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
SUM of PCBs	ND	ND	ND	ND	ND	-	19.3	21.1	1.27	-	450	290	1.13	37	49	0.82	0.81	0.78	21
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	91.3	95.2	89.3	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (3.9)	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	98	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	11	-	-	6.8	6.9	-	-	-	-	-	-	-	6.9	7.1
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.7)	-	-	-	-	-	-	-	ND (1.2)	ND (1.6)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.1)	5	-	-	-	-	-	-	-	ND (1.2)	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	2.4	-	-	-	-	-	-	-	ND (1.2)	ND (1.6)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D15										D16							
Location Name	D15	D15	D15	D15	D15	D15	D15	D15	D15	D15	D16	D16	D16	D16	D16	D16	D16	D16
Sample Name	D15_S4_5.2-6.2	D15_S5_8.2-10.2	D15_S6_10.2-12.2	D15_S7_12.2-14.2	D15_S8_14.2-16.2	D15_S9_16.2-18.2	D15_S9_18.2-19	D15_S10_19-20.2	D15_S11_20.2-23.2	D15_S12_23.2-24.2	D16_S1_5.2-7.2	D16_S3_5.2-9.2	D16_S2_7.2-9.2	D16_S4_9.2-11.2	D16_S6_9.2-14.2	D16_S5_11.2-13.2	D16_S7_13.2-15.2	D16_S8_15.2-17.2
Sample Date	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010
Lab Sample ID	133618-25	133618-26	133618-30	133618-27	133618-28	133618-29	133644-21	133644-22	133644-23	133644-24	138690-7	138690-43 138690-53 138690-65 138879-3	138690-8	138690-9	138690-44 138690-54 138690-66 138879-12 138879-4	138690-10	138690-11	138690-12
Sample Depth (bgs)	5.2 - 6.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 19 (ft)	19 - 20.2 (ft)	20.2 - 23.2 (ft)	23.2 - 24.2 (ft)	5.2 - 7.2 (ft)	5.2 - 9.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	9.2 - 14.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)
Sample Elevation (ft BCB)	16 to 15	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 2.2	2.2 to 1	1 to -2	-2 to -3	16 to 14	16 to 12	14 to 12	12 to 10	12 to 7	10 to 8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.32)	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	-	ND (0.081)	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.008)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	0.61	-	-	ND (0.46)	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	0.63	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	0.52	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	0.66	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	0.43	-	-	ND (0.46)	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	ND (0.46)	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	0.41	-	-	ND (0.46)	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	0.65	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	1.4	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-	ND (0.46)	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	1.2	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.46)	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	1.3	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	17.38	-	-	6.36	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D15										D16							
Location Name	D15	D15	D15	D15	D15	D15	D15	D15	D15	D15	D16	D16	D16	D16	D16	D16	D16	D16
Sample Name	D15_S4_5.2-6.2	D15_S5_8.2-10.2	D15_S6_10.2-12.2	D15_S7_12.2-14.2	D15_S8_14.2-16.2	D15_S9_16.2-18.2	D15_S9_18.2-19	D15_S10_19-20.2	D15_S11_20.2-23.2	D15_S12_23.2-24.2	D16_S1_5.2-7.2	D16_S3_5.2-9.2	D16_S2_7.2-9.2	D16_S4_9.2-11.2	D16_S6_9.2-14.2	D16_S5_11.2-13.2	D16_S7_13.2-15.2	D16_S8_15.2-17.2
Sample Date	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010
Lab Sample ID	133618-25	133618-26	133618-30	133618-27	133618-28	133618-29	133644-21	133644-22	133644-23	133644-24	138690-7	138690-43 138690-53 138690-65 138879-3	138690-8	138690-9	138690-44 138690-54 138690-66 138879-12 138879-4	138690-10	138690-11	138690-12
Sample Depth (bgs)	5.2 - 6.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 19 (ft)	19 - 20.2 (ft)	20.2 - 23.2 (ft)	23.2 - 24.2 (ft)	5.2 - 7.2 (ft)	5.2 - 9.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	9.2 - 14.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)
Sample Elevation (ft BCB)	16 to 15	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 2.2	2.2 to 1	1 to -2	-2 to -3	16 to 14	16 to 12	14 to 12	12 to 10	12 to 7	10 to 8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	100	-	-	60	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	130	-	-	90	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-	-	ND (29)	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	2.4	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	ND (3.3)	-	-	21	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	78	-	-	250	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	-	ND (0.44)	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	1.4	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	28	-	-	62	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	240	-	-	7200	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	3.5	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	27	-	-	19	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	ND (7.4)	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.5)	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	ND (7.4)	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	31	-	-	49	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	300	-	-	250	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	0.4	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1221 (PCB-1221)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1232 (PCB-1232)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1242 (PCB-1242)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1248 (PCB-1248)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1254 (PCB-1254)	91	0.18	0.3	0.1	ND (0.04)	ND (0.095)	0.39	ND (0.04)	ND (0.04)	ND (0.04)	0.48	-	0.059	0.061	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1260 (PCB-1260)	30	0.072	0.11	0.046	ND (0.04)	ND (0.095)	0.33	ND (0.04)	ND (0.04)	ND (0.04)	0.35	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1262 (PCB-1262)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
Aroclor-1268 (PCB-1268)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.095)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.049)	-	ND (0.048)	ND (0.054)	-	ND (0.058)	ND (0.057)	ND (0.065)
SUM of PCBs	121	0.252	0.41	0.146	ND	ND	0.72	ND	ND	ND	0.83	-	0.059	0.061	-	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	7	-	-	7	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	ND (1.9)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					D17													
Location Name	D16	D16	D16	D16	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17	D18	D18
Sample Name	D16_S10_14.2-19.2	D16_S9_17.2-19.2	D16_S11_19.2-21.2	D16_S12_21.2-23.2	D17_S1_0-4.6	D17_S2_5.2-7.2	D17_S6_5.2-13.2	D17_S3_7.2-9.2	D17_S4_9.2-11.2	D17_S5_11.2-13.2	D17_S6_13.2-15.2	D17_S7_15.2-17.2	D17_S8_17.2-19.2	D17_S9_19.2-21.2	D17_S10_21.2-23.2	D17_S11_23.2-25.2	D18_S1_0-3.9	D18_S2_5-6.1
Sample Date	12/20/2010	12/20/2010	12/20/2010	12/20/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010
							133618-45											
	138726-17						133618-55											
	138726-23				133618-44		133618-65										133644-33	
	138726-29				133618-54		133765-2										133644-40	
Lab Sample ID	138880-3	138726-2	138726-3	138726-4	133618-64	133618-11	133765-6	133618-12	133618-13	133618-14	133644-1	133644-2	133644-3	133644-4	133644-5	133644-6	133644-47	133644-7
Sample Depth (bgs)	14.2 - 19.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	0 - 4.6 (ft)	5.2 - 7.2 (ft)	5.2 - 13.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	0 - 3.9 (ft)	5 - 6.1 (ft)
Sample Elevation (ft BCB)	7 to 2	4 to 2	2 to 0	0 to -2	21.2 to 16.6	16 to 14	16 to 8	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	21 to 17.1	16 to 14.9
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,2,4-Trichlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,2,4-Trimethylbenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,2-Dichlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,3,5-Trichlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,3,5-Trimethylbenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,3-Dichlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
1,4-Dichlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Acetone	ND (0.2)	-	-	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.22)	-
Benzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Chlorobenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Chloroform (Trichloromethane)	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Cymene (p-Isopropyltoluene)	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Ethylbenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Isopropylbenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
m,p-Xylenes	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Methyl Tert Butyl Ether	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Methylene chloride	ND (0.05)	-	-	-	ND (0.05)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.055)	-
Naphthalene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
n-Propylbenzene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
o-Xylene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Styrene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Tetrachloroethene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Toluene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
Trichloroethene	ND (0.005)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	-
SUM of Volatile Organic Compounds	ND	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
1,2-Dichlorobenzene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
1,3-Dichlorobenzene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
1,4-Dichlorobenzene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
2,4-Dimethylphenol	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
2,4-Dinitrotoluene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
2,6-Dinitrotoluene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
2-Chloronaphthalene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
2-Methylnaphthalene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
2-Methylphenol	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
3&4-Methylphenol	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Acenaphthene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Acenaphthylene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Acetophenone	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Aniline	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Anthracene	ND (0.46)	-	-	-	0.83	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Benzo(a)anthracene	ND (0.46)	-	-	-	2.3	-	0.56	-	-	-	-	-	-	-	-	-	0.43	-
Benzo(a)pyrene	ND (0.46)	-	-	-	2.1	-	0.49	-	-	-	-	-	-	-	-	-	0.44	-
Benzo(b)fluoranthene	ND (0.46)	-	-	-	2.5	-	0.61	-	-	-	-	-	-	-	-	-	0.62	-
Benzo(g,h,i)perylene	ND (0.46)	-	-	-	0.86	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Benzo(k)fluoranthene	ND (0.46)	-	-	-	0.99	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
bis(2-Ethylhexyl)phthalate	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Butyl benzylphthalate	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Carbazole	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Chrysene	ND (0.46)	-	-	-	2.2	-	0.57	-	-	-	-	-	-	-	-	-	0.46	-
Dibenz(a,h)anthracene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Dibenzofuran	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Diethyl phthalate	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Di-n-butylphthalate	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Di-n-octyl phthalate	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Fluoranthene	0.5	-	-	-	4.5	-	1.3	-	-	-	-	-	-	-	-	-	0.85	-
Fluorene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Indeno(1,2,3-cd)pyrene	ND (0.46)	-	-	-	1.1	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Isophorone	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Naphthalene	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
N-Nitrosodiphenylamine	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Phenanthrene	ND (0.46)	-	-	-	3	-	1.5	-	-	-	-	-	-	-	-	-	0.68	-
Phenol	ND (0.46)	-	-	-	ND (0.7)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Pyrene	0.55	-	-	-	3.6	-	1	-	-	-	-	-	-	-	-	-	0.69	-
SUM of Semi-Volatile Organic Compounds	1.05	-	-	-	23.98	-	6.03	-	-	-	-	-	-	-	-	-	4.17	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					D17													
Location Name	D16	D16	D16	D16	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17	D17	D18	D18
Sample Name	D16_S10_14.2-19.2	D16_S9_17.2-19.2	D16_S11_19.2-21.2	D16_S12_21.2-23.2	D17_S1_0-4.6	D17_S2_5.2-7.2	D17_S6_5.2-13.2	D17_S3_7.2-9.2	D17_S4_9.2-11.2	D17_S5_11.2-13.2	D17_S6_13.2-15.2	D17_S7_15.2-17.2	D17_S8_17.2-19.2	D17_S9_19.2-21.2	D17_S10_21.2-23.2	D17_S11_23.2-25.2	D18_S1_0-3.9	D18_S2_5-6.1
Sample Date	12/20/2010	12/20/2010	12/20/2010	12/20/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010
Lab Sample ID	138726-17 138726-23 138726-29 138880-3	138726-2	138726-3	138726-4	133618-44 133618-54 133618-64	133618-11	133618-45 133618-55 133618-65 133765-2 133765-6	133618-12	133618-13	133618-14	133644-1	133644-2	133644-3	133644-4	133644-5	133644-6	133644-33 133644-40 133644-47	133644-7
Sample Depth (bgs)	14.2 - 19.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	0 - 4.6 (ft)	5.2 - 7.2 (ft)	5.2 - 13.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	0 - 3.9 (ft)	5 - 6.1 (ft)
Sample Elevation (ft BCB)	7 to 2	4 to 2	2 to 0	0 to -2	21.2 to 16.6	16 to 14	16 to 8	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	21 to 17.1	16 to 14.9
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	63	-	-	-	52	-	120	-	-	-	-	-	-	-	-	-	ND (32)	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	98	-	-	-	51	-	73	-	-	-	-	-	-	-	-	-	35	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (28)	-	-	-	ND (33)	-	ND (34)	-	-	-	-	-	-	-	-	-	ND (32)	-
Inorganic Compounds (mg/kg)																		
Antimony	ND (1.4)	-	-	-	1.6	-	4.5	-	-	-	-	-	-	-	-	-	ND (1.1)	-
Arsenic	5.7	-	-	-	ND (3.3)	-	5.1	-	-	-	-	-	-	-	-	-	ND (3.3)	-
Barium	130	-	-	-	37	-	140	-	-	-	-	-	-	-	-	-	14	-
Beryllium	ND (0.43)	-	-	-	ND (0.33)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.33)	-
Cadmium	1.3	-	-	-	0.57	-	2.2	-	-	-	-	-	-	-	-	-	ND (0.55)	-
Chromium	13	-	-	-	15	-	98	-	-	-	-	-	-	-	-	-	4.4	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-
Lead	200	-	-	-	29	-	530	-	-	-	-	-	-	-	-	-	21	-
Mercury	1	-	-	-	0.094	-	7.4	-	-	-	-	-	-	-	-	-	0.22	-
Nickel	9.7	-	-	-	14	-	44	-	-	-	-	-	-	-	-	-	ND (5.5)	-
Selenium	ND (7.2)	-	-	-	ND (5.5)	-	ND (5.8)	-	-	-	-	-	-	-	-	-	ND (5.5)	-
Silver	ND (1.4)	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.1)	-
Thallium	ND (7.2)	-	-	-	ND (5.5)	-	ND (5.8)	-	-	-	-	-	-	-	-	-	ND (5.5)	-
Vanadium	31	-	-	-	21	-	38	-	-	-	-	-	-	-	-	-	8.6	-
Zinc	120	-	-	-	51	-	1200	-	-	-	-	-	-	-	-	-	29	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-
Mercury	0.0013	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
Aroclor-1221 (PCB-1221)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
Aroclor-1232 (PCB-1232)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
Aroclor-1242 (PCB-1242)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
Aroclor-1248 (PCB-1248)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
Aroclor-1254 (PCB-1254)	-	ND (0.067)	ND (0.05)	ND (0.06)	0.96	1.3	0.19	1.5	ND (0.058)	ND (0.047)	0.058	0.046	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.45	9.7
Aroclor-1260 (PCB-1260)	-	ND (0.067)	ND (0.05)	ND (0.06)	0.49	0.81	0.16	1.6	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.43	5.4
Aroclor-1262 (PCB-1262)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
Aroclor-1268 (PCB-1268)	-	ND (0.067)	ND (0.05)	ND (0.06)	ND (0.22)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.058)	ND (0.047)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.84)
SUM of PCBs	-	ND	ND	ND	1.45	2.11	0.35	3.1	ND	ND	0.058	0.046	ND	ND	ND	ND	0.88	15.1
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	ND (50)	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	ND (100)	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	6.9	-	-	-	6.5	-	6.6	-	-	-	-	-	-	-	-	-	6.9	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.3)	-	-	-	ND (1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.3)	-	-	-	ND (1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.3)	-	-	-	ND (1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D18								D19											
Location Name	D18	D18	D18	D18	D18	D18	D18	D18	D19	D19	D19	D19	D19	D19	D19A	D19A	D19A	D19A	D20	D20
Sample Name	D18_S5_5-15	D18_S3_11-13	D18_S4_13-15	D18_S6_15-17	D18_S7_17-19	D18_S8_19-21	D18_S9_21-23	D18_S10_23-25	D19_S1_0.4-4.8	D19_S2_5.2-6.8	D19_S2_16-18	D19_S3_18-20	D19_S4_20-22	D19_S5_22-24	D19A_S1_4.8-8.8	D19A_S2_4.8-6.8	D19A_S3_6.8-8.8	D19A_S4_8.8-10.8	D20_S1_6.7-8.7	D20_S2_8.7-10.7
Sample Date	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	02/10/2015	02/10/2015	02/10/2015	02/10/2015	12/20/2010	12/20/2010
Lab Sample ID	133644-38 133644-41 133644-48 133842-4	133644-8	133644-9	133644-10	133644-11	133644-12	133644-13	133644-14	133618-51 133618-61 133618-71	133618-41	133644-15	133644-16	133644-17	133644-18	15B0317-01 15B0535-01	15B0317-02	15B0728-01	15B0728-02	138726-5	138726-6
Sample Depth (bgs)	5 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.4 - 4.8 (ft)	5.2 - 6.8 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4.8 - 8.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	8.8 - 10.8 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)
Sample Elevation (ft BCB)	16 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	20.4 to 16	15.6 to 14	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	16 to 12	16 to 14	14 to 12	12 to 10	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0032)	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0032)	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
1,3,5-Trichlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Acetone	ND (0.31)	-	-	-	-	-	-	-	ND (0.24)	-	-	-	-	-	ND (0.081)	-	-	-	-	-
Benzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Chlorobenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0032)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Ethylbenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Isopropylbenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
m,p-Xylenes	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0032)	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0032)	-	-	-	-	-
Methylene chloride	ND (0.079)	-	-	-	-	-	-	-	ND (0.06)	-	-	-	-	-	ND (0.0081)	-	-	-	-	-
Naphthalene	ND (0.008)	-	-	-	-	-	-	-	0.02	-	-	-	-	-	0.026	-	-	-	-	-
n-Propylbenzene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
o-Xylene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Styrene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Tetrachloroethene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Toluene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
Trichloroethene	ND (0.008)	-	-	-	-	-	-	-	ND (0.006)	-	-	-	-	-	ND (0.0016)	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	-	-	-	-	-	-	-	0.02	-	-	-	-	-	0.026	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
2,4-Dimethylphenol	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
2-Chloronaphthalene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
2-Methylnaphthalene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	0.69	-	-	-	-	-
2-Methylphenol	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
3&4-Methylphenol	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Acenaphthene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	2.1	-	-	-	-	-
Acenaphthylene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-
Acetophenone	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Aniline	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Anthracene	ND (0.46)	-	-	-	-	-	-	-	0.48	-	-	-	-	-	4.2	-	-	-	-	-
Benzo(a)anthracene	ND (0.46)	-	-	-	-	-	-	-	1.2	-	-	-	-	-	9.4	-	-	-	-	-
Benzo(a)pyrene	ND (0.46)	-	-	-	-	-	-	-	1.1	-	-	-	-	-	8.5	-	-	-	-	-
Benzo(b)fluoranthene	ND (0.46)	-	-	-	-	-	-	-	1.5	-	-	-	-	-	9.4	-	-	-	-	-
Benzo(g,h,i)perylene	ND (0.46)	-	-	-	-	-	-	-	0.38	-	-	-	-	-	6	-	-	-	-	-
Benzo(k)fluoranthene	ND (0.46)	-	-	-	-	-	-	-	0.55	-	-	-	-	-	4.3	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.46)	-	-	-	-	-	-	-	0.38	-	-	-	-	-	1.4	-	-	-	-	-
Butyl benzylphthalate	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Carbazole	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ND (0.46)	-	-	-	-	-	-	-	1.2	-	-	-	-	-	8.9	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	1.7	-	-	-	-	-
Dibenzofuran	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	1.5	-	-	-	-	-
Diethyl phthalate	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Di-n-butylphthalate	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	15	-	-	-	-	-
Di-n-octyl phthalate	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (1.5)	-	-	-	-	-
Fluoranthene	ND (0.46)	-	-	-	-	-	-	-	2.3	-	-	-	-	-	17	-	-	-	-	-
Fluorene	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	2	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ND (0.46)	-	-	-	-	-	-	-	0.44	-	-	-	-	-	6.9	-	-	-	-	-
Isophorone	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Naphthalene	0.63	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	1.4	-	-	-	-	-
N-Nitrosodiphenylamine	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ND (0.46)	-	-	-	-	-	-	-	1.6	-	-	-	-	-	16	-	-	-	-	-
Phenol	ND (0.46)	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.78)	-	-	-	-	-
Pyrene	ND (0.46)	-	-	-	-	-	-	-	1.9	-	-	-	-	-	19	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	0.63	-	-	-	-	-	-	-	13.03	-	-	-	-	-	135.39	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D18								D19											
Location Name	D18	D18	D18	D18	D18	D18	D18	D18	D19	D19	D19	D19	D19	D19	D19A	D19A	D19A	D19A	D20	D20
Sample Name	D18_S5_5-15	D18_S3_11-13	D18_S4_13-15	D18_S6_15-17	D18_S7_17-19	D18_S8_19-21	D18_S9_21-23	D18_S10_23-25	D19_S1_0.4-4.8	D19_S2_5.2-6.8	D19_S2_16-18	D19_S3_18-20	D19_S4_20-22	D19_S5_22-24	D19A_S1_4.8-8.8	D19A_S2_4.8-6.8	D19A_S3_6.8-8.8	D19A_S4_8.8-10.8	D20_S1_6.7-8.7	D20_S2_8.7-10.7
Sample Date	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	02/10/2015	02/10/2015	02/10/2015	02/10/2015	12/20/2010	12/20/2010
Lab Sample ID	133644-38 133644-41 133644-48 133842-4	133644-8	133644-9	133644-10	133644-11	133644-12	133644-13	133644-14	133618-51 133618-61 133618-71	133618-41	133644-15	133644-16	133644-17	133644-18	15B0317-01 15B0535-01	15B0317-02	15B0728-01	15B0728-02	138726-5	138726-6
Sample Depth (bgs)	5 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.4 - 4.8 (ft)	5.2 - 6.8 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4.8 - 8.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	8.8 - 10.8 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)
Sample Elevation (ft BCB)	16 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	20.4 to 16	15.6 to 14	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	16 to 12	16 to 14	14 to 12	12 to 10	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	56	-	-	-	-	-	-	-	83	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	92	-	-	-	-	-	-	-	59	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (43)	-	-	-	-	-	-	-	ND (33)	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	2.2	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13	-	-	-	-	-	-	-	ND (3.4)	-	-	-	-	-	ND (3)	-	-	-	-	-
Barium	290	-	-	-	-	-	-	-	47	-	-	-	-	-	240	-	-	-	-	-
Beryllium	ND (0.42)	-	-	-	-	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	5.3	-	-	-	-	-	-	-	0.72	-	-	-	-	-	8.4	-	-	-	-	-
Chromium	15	-	-	-	-	-	-	-	16	-	-	-	-	-	41	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5700	-	-	-	-	-	-	-	77	-	-	-	-	-	4100	-	-	-	-	-
Mercury	96	-	-	-	-	-	-	-	0.24	-	-	-	-	-	2	-	-	-	-	-
Nickel	35	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Selenium	13	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	ND (5.9)	-	-	-	-	-
Silver	10	-	-	-	-	-	-	-	ND (1.1)	-	-	-	-	-	ND (3)	-	-	-	-	-
Thallium	ND (7.1)	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	44	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-
Zinc	290	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	95	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-
Mercury	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)
Aroclor-1221 (PCB-1221)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)
Aroclor-1232 (PCB-1232)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)
Aroclor-1242 (PCB-1242)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	2.6	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)
Aroclor-1248 (PCB-1248)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.78	1.1	2.9	ND (0.05)	ND (0.051)
Aroclor-1254 (PCB-1254)	-	0.056	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	1.2	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	1.2	1.7	4	ND (0.05)	0.14
Aroclor-1260 (PCB-1260)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.26	0.62	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.5	0.89	2	ND (0.05)	0.18
Aroclor-1262 (PCB-1262)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)
Aroclor-1268 (PCB-1268)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.24)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.24)	ND (0.55)	ND (0.05)	ND (0.051)
SUM of PCBs	-	0.056	ND	ND	ND	ND	ND	ND	2.86	1.82	ND	ND	ND	ND	-	2.48	3.69	8.9	ND	0.32
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	90.1	81	89.5	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	ND (4)	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (100)	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	ND (20)	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	6.8	-	-	-	-	-	-	-	6.7	-	-	-	-	-	9.2	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (2.1)	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (2.1)	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (2.1)	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D20		D21							D22		D4					D5			
Location Name	D20	D20	D21	D21	D21	D21	D21A	D21A	D21A	D22	D22	D4	D4	D4	D4	D4	D5	D5	D5	D5
Sample Name	D20_S3_10.7-12.7	D20_S4_12.7-14.7	D21_S1_5-8.4	D21_S2_8.4-10.4	D21_S3_10.4-12.4	D21_S4_12.4-14.4	D21A_S1_5.3-8.6	D21A_S2_5.3-6.6	D21A_S3_6.6-8.6	D22_S1_4.4-6.4	D22_S2_6.4-8.4	D4_S1_0.8-1.8	D4_S2_1.8-3.8	Z4_S2_1.8-3.8	D4_S3_3.8-5.8	D4_S4_5.8-7.8	D5_S1_1.5-2.5	D5_S2_2.5-4.5	D5_S3_4.5-6.5	D5_S4_6.5-8.5
Sample Date	12/20/2010	12/20/2010	01/11/2011	01/11/2011	01/11/2011	01/11/2011	02/10/2015	02/10/2015	02/10/2015	02/10/2015	02/10/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015
Lab Sample ID	138726-7	138726-8	139103-22	139103-23	139103-24	139103-25	15B0318-01 15B0448-01	15B0318-02	15B0318-03	15B0320-01	15B0320-02	15K0898-07	15K0898-08	15K0898-13	15K0898-09	15K0898-10	15L0041-01	15L0041-02	15L0041-03	15L0041-04
Sample Depth (bgs)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	5 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	5.3 - 8.6 (ft)	5.3 - 6.6 (ft)	6.6 - 8.6 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	15.5 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.3 to 12	15.3 to 14	14 to 12	16 to 14	14 to 12	17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	ND (0.08)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.0032)	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	ND (0.0016)	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	0.99	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	14.61	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D20		D21							D22		D4					D5			
Location Name	D20	D20	D21	D21	D21	D21	D21A	D21A	D21A	D22	D22	D4	D4	D4	D4	D4	D5	D5	D5	D5
Sample Name	D20_S3_10.7-12.7	D20_S4_12.7-14.7	D21_S1_5-8.4	D21_S2_8.4-10.4	D21_S3_10.4-12.4	D21_S4_12.4-14.4	D21A_S1_5.3-8.6	D21A_S2_5.3-6.6	D21A_S3_6.6-8.6	D22_S1_4.4-6.4	D22_S2_6.4-8.4	D4_S1_0.8-1.8	D4_S2_1.8-3.8	Z4_S2_1.8-3.8	D4_S3_3.8-5.8	D4_S4_5.8-7.8	D5_S1_1.5-2.5	D5_S2_2.5-4.5	D5_S3_4.5-6.5	D5_S4_6.5-8.5
Sample Date	12/20/2010	12/20/2010	01/11/2011	01/11/2011	01/11/2011	01/11/2011	02/10/2015	02/10/2015	02/10/2015	02/10/2015	02/10/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015
Lab Sample ID	138726-7	138726-8	139103-22	139103-23	139103-24	139103-25	15B0318-01 15B0448-01	15B0318-02	15B0318-03	15B0320-01	15B0320-02	15K0898-07	15K0898-08	15K0898-13	15K0898-09	15K0898-10	15L0041-01	15L0041-02	15L0041-03	15L0041-04
Sample Depth (bgs)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	5 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	5.3 - 8.6 (ft)	5.3 - 6.6 (ft)	6.6 - 8.6 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	15.5 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.3 to 12	15.3 to 14	14 to 12	16 to 14	14 to 12	17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	230	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	ND (5.3)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	ND (0.53)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	ND (0.0001)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	0.12	ND (0.11)	0.27	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	2.5	20	ND (0.11)	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.062)	0.071	36	0.14	0.38	0.21	-	0.13	ND (0.11)	0.16	ND (0.11)	0.44	11	26	2.2	1.2	0.78	ND (5.8)	ND (0.11)	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.062)	ND (0.051)	19	0.09	0.23	0.15	-	ND (0.12)	ND (0.11)	0.15	ND (0.11)	0.38	ND (5.2)	7.8	0.82	0.22	ND (0.45)	34	ND (0.11)	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.062)	ND (0.051)	ND (4.3)	ND (0.052)	ND (0.053)	ND (0.057)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (5.2)	ND (5.3)	ND (0.45)	ND (0.1)	ND (0.45)	ND (5.8)	ND (0.11)	ND (0.11)
SUM of PCBs	ND	0.071	55	0.23	0.61	0.36	-	0.13	ND	0.43	ND	1.09	11	33.8	3.02	1.42	3.28	54	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	88.4	84.7	88.2	93.2	93.2	84.2	96	92.7	89.7	97.3	87.5	86	92.3	92.2
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D6				D7														D8	
Location Name	D6	D6	D6	D6	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D8	D8
Sample Name	D6_S1_1.7-2.7	D6_S2_2.7-4.7	D6_S3_4.7-6.7	D6_S4_6.7-8.7	D7_S1_0.5-1.3	D7_S8_2.1-12.1	D7_S2_2.5-4.2	D7_S3_4.5-6.5	D7_S4_6.5-8.5	D7_S5_8.5-10.5	D7_S6_10.5-12.5	D7_S7_12.5-14.5	D7_S9_14.5-16.5	D7_S10_16.5-18.5	D7_S11_18.5-20.5	D7_S12_20.5-22.5	D7_S13_22.5-24.0	D7_S14_24.0-24.5	D8_S1_0.5-1.4	D8_S2_0.5-2.4
Sample Date	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/07/2010	06/07/2010
					133736-10	133736-17														133708-54
					133736-55	133736-56														133708-66
					133736-65	133736-66														133708-74
																				133941-6
Lab Sample ID	15K1344-01	15K1344-02	15K1344-03	15K1344-04	134154-2	134154-3	133736-11	133736-12	133736-13	133736-14	133736-15	133736-16	133736-18	133736-19	133736-20	133736-21	133736-22	133736-23	133708-14	133941-7
Sample Depth (bgs)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	0.5 - 1.3 (ft)	2.1 - 12.1 (ft)	2.5 - 4.2 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24 (ft)	24 - 24.5 (ft)	0.5 - 1.4 (ft)	0.5 - 2.4 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	18 to 17.2	16.4 to 6.4	16 to 14.3	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.5	-5.5 to -6	18.7 to 17.8	18.7 to 16.8
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,2-Dichlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,3-Dichlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
1,4-Dichlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Acetone	-	-	-	-	ND (0.29)	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Benzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Chlorobenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Chloroform (Trichloromethane)	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Ethylbenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Isopropylbenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
m,p-Xylenes	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Methyl Tert Butyl Ether	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Methylene chloride	-	-	-	-	ND (0.074)	ND (0.051)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.092)
Naphthalene	-	-	-	-	ND (0.007)	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
n-Propylbenzene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
o-Xylene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Styrene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Tetrachloroethene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Toluene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
Trichloroethene	-	-	-	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)
SUM of Volatile Organic Compounds	-	-	-	-	ND	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
1,2-Dichlorobenzene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
1,3-Dichlorobenzene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
1,4-Dichlorobenzene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2,4-Dimethylphenol	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2,4-Dinitrotoluene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2,6-Dinitrotoluene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2-Chloronaphthalene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2-Methylnaphthalene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2-Methylphenol	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
3&4-Methylphenol	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Acenaphthene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Acenaphthylene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Acetophenone	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Aniline	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Anthracene	-	-	-	-	ND (0.34)	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-	0.71
Benzo(a)anthracene	-	-	-	-	0.71	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
Benzo(a)pyrene	-	-	-	-	0.61	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
Benzo(b)fluoranthene	-	-	-	-	0.8	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
Benzo(g,h,i)perylene	-	-	-	-	0.52	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	0.86
Benzo(k)fluoranthene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.66
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.34)	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75
Butyl benzylphthalate	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Carbazole	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Chrysene	-	-	-	-	0.72	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8
Dibenz(a,h)anthracene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Dibenzofuran	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Diethyl phthalate	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Di-n-butylphthalate	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Di-n-octyl phthalate	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Fluoranthene	-	-	-	-	1.3	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4
Fluorene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Indeno(1,2,3-cd)pyrene	-	-	-	-	0.51	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Isophorone	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Naphthalene	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
N-Nitrosodiphenylamine	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Phenanthrene	-	-	-	-	0.79	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6
Phenol	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Pyrene	-	-	-	-	1.2	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	3
SUM of Semi-Volatile Organic Compounds	-	-	-	-	7.16	10.14	-	-	-	-	-	-	-	-	-	-	-	-	-	19.38

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D6				D7															
Location Name	D6	D6	D6	D6	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7	D8	D8
Sample Name	D6_S1_1.7-2.7	D6_S2_2.7-4.7	D6_S3_4.7-6.7	D6_S4_6.7-8.7	D7_S1_0.5-1.3	D7_S8_2.1-12.1	D7_S2_2.5-4.2	D7_S3_4.5-6.5	D7_S4_6.5-8.5	D7_S5_8.5-10.5	D7_S6_10.5-12.5	D7_S7_12.5-14.5	D7_S9_14.5-16.5	D7_S10_16.5-18.5	D7_S11_18.5-20.5	D7_S12_20.5-22.5	D7_S13_22.5-24.0	D7_S14_24.0-24.5	D8_S1_0.5-1.4	D8_S2_0.5-2.4
Sample Date	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/07/2010	06/07/2010
Lab Sample ID	15K1344-01	15K1344-02	15K1344-03	15K1344-04	133736-10 133736-55 133736-65 134154-2	133736-17 133736-56 133736-66 134154-3	133736-11	133736-12	133736-13	133736-14	133736-15	133736-16	133736-18	133736-19	133736-20	133736-21	133736-22	133736-23	133708-14	133708-54 133708-66 133708-74 133941-6 133941-7
Sample Depth (bgs)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	0.5 - 1.3 (ft)	2.1 - 12.1 (ft)	2.5 - 4.2 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24 (ft)	24 - 24.5 (ft)	0.5 - 1.4 (ft)	0.5 - 2.4 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	18 to 17.2	16.4 to 6.4	16 to 14.3	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.5	-5.5 to -6	18.7 to 17.8	18.7 to 16.8
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	74	65	-	-	-	-	-	-	-	-	-	-	-	-	-	87
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	100	91	-	-	-	-	-	-	-	-	-	-	-	-	-	100
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	ND (32)	ND (30)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	2	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9
Arsenic	-	-	-	-	ND (3.4)	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Barium	-	-	-	-	68	130	-	-	-	-	-	-	-	-	-	-	-	-	-	99
Beryllium	-	-	-	-	ND (0.34)	ND (0.31)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)
Cadmium	-	-	-	-	1	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
Chromium	-	-	-	-	22	15	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	-	-	-	-	100	240	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Mercury	-	-	-	-	0.33	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	0.78
Nickel	-	-	-	-	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	23
Selenium	-	-	-	-	ND (5.6)	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)
Silver	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
Thallium	-	-	-	-	ND (5.6)	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)
Vanadium	-	-	-	-	33	28	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Zinc	-	-	-	-	110	200	-	-	-	-	-	-	-	-	-	-	-	-	-	180
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
Aroclor-1221 (PCB-1221)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
Aroclor-1232 (PCB-1232)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
Aroclor-1242 (PCB-1242)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
Aroclor-1248 (PCB-1248)	12	9	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
Aroclor-1254 (PCB-1254)	4.7	12	ND (0.12)	ND (0.12)	0.69	-	2.8	5.8	0.15	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.84	-
Aroclor-1260 (PCB-1260)	2.7	7.2	ND (0.12)	ND (0.12)	0.24	-	1.7	3.5	0.13	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.28	-
Aroclor-1262 (PCB-1262)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
Aroclor-1268 (PCB-1268)	ND (2.2)	ND (2.1)	ND (0.12)	ND (0.12)	ND (0.21)	-	ND (0.46)	ND (0.86)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-
SUM of PCBs	19.4	28.2	ND	ND	0.93	-	4.5	9.3	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.12	-
Other																				
Percent Solids, vol. (%wt)	92.3	96	85.1	85.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	8	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.7)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.7)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.7)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D8																			
Location Name	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A
Sample Name	D8_S3_3.4-5.4	D8_S4_5.4-7.4	D8_S5_7.4-9.4	D8_S8_3.1-13.1	D8_S6_9.5-11.5	D8_S7_11.5-13.5	D8_S9_13.5-15.5	D8_S10_15.5-17.5	D8_S11_17.5-19.5	D8_S12_19.5-21.5	D8_S13_21.5-23.5	D8_S14_23.5-25.5	D8A_S1_0-2.9	D8A_S2_4-5	D8A_S3_4-8	D8A_S3_5-7	D8A_S4_7-9	D8A_S6_8-13	D8A_S5_9-11	D8A_S6_11-13
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
Lab Sample ID	133708-15	133708-16	133708-17	133736-3 133736-54 133736-64 134154-1	133736-1	133736-2	133736-4	133736-5	133736-6	133736-7	133736-8	133736-9	138629-25 138629-29 138629-36	138629-13	138629-22 138629-30 138629-37 138772-3	138629-14	138629-15	138629-23 138629-31 138629-38 138772-6	138629-16	138629-17
Sample Depth (bgs)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	3.1 - 13.1 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0 - 2.9 (ft)	4 - 5 (ft)	4 - 8 (ft)	5 - 7 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)	15.8 to 13.8	13.8 to 11.8	11.8 to 9.8	16.1 to 6.1	9.7 to 7.7	7.7 to 5.7	5.7 to 3.7	3.7 to 1.7	1.7 to -0.3	-0.3 to -2.3	-2.3 to -4.3	-4.3 to -6.3	19 to 16.1	15 to 14	15 to 11	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Acetone	-	-	-	ND (0.23)	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.23)	-	-	ND (3)	-	-
Benzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Chlorobenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Ethylbenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Isopropylbenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
m,p-Xylenes	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Methylene chloride	-	-	-	ND (0.057)	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.057)	-	-	ND (1.2)	-	-
Naphthalene	-	-	-	0.074	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	9.3	-	-
n-Propylbenzene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
o-Xylene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Styrene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Tetrachloroethene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Toluene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
Trichloroethene	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.3)	-	-
SUM of Volatile Organic Compounds	-	-	-	0.074	-	-	-	-	-	-	-	-	ND	-	ND	-	-	9.3	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
2,4-Dimethylphenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
2,4-Dinitrotoluene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
2,6-Dinitrotoluene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
2-Chloronaphthalene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
2-Methylnaphthalene	-	-	-	2	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	20	-	-
2-Methylphenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
3&4-Methylphenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Acenaphthene	-	-	-	4.7	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	52	-	-
Acenaphthylene	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Acetophenone	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Aniline	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Anthracene	-	-	-	7	-	-	-	-	-	-	-	-	0.45	-	0.42	-	-	100	-	-
Benzo(a)anthracene	-	-	-	8	-	-	-	-	-	-	-	-	1.1	-	1.2	-	-	140	-	-
Benzo(a)pyrene	-	-	-	6.1	-	-	-	-	-	-	-	-	1.1	-	1.3	-	-	120	-	-
Benzo(b)fluoranthene	-	-	-	6.8	-	-	-	-	-	-	-	-	1.5	-	1.6	-	-	140	-	-
Benzo(g,h,i)perylene	-	-	-	1.5	-	-	-	-	-	-	-	-	ND (0.37)	-	0.65	-	-	38	-	-
Benzo(k)fluoranthene	-	-	-	2.5	-	-	-	-	-	-	-	-	0.52	-	0.55	-	-	50	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	0.58	-	-	-	-	-	-	-	-	0.37	-	1.3	-	-	ND (19)	-	-
Butyl benzylphthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Carbazole	-	-	-	3	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	49	-	-
Chrysene	-	-	-	7.6	-	-	-	-	-	-	-	-	1.2	-	1.3	-	-	130	-	-
Dibenz(a,h)anthracene	-	-	-	0.66	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Dibenzofuran	-	-	-	3.6	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	47	-	-
Diethyl phthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Di-n-butylphthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Di-n-octyl phthalate	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Fluoranthene	-	-	-	23	-	-	-	-	-	-	-	-	2.2	-	2.4	-	-	290	-	-
Fluorene	-	-	-	4.2	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	67	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	2.6	-	-	-	-	-	-	-	-	0.44	-	0.79	-	-	48	-	-
Isophorone	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Naphthalene	-	-	-	4	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	35	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Phenanthrene	-	-	-	29	-	-	-	-	-	-	-	-	1.6	-	1.9	-	-	370	-	-
Phenol	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-	-	ND (19)	-	-
Pyrene	-	-	-	19	-	-	-	-	-	-	-	-	1.9	-	2.3	-	-	250	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	135.84	-	-	-	-	-	-	-	-	12.38	-	15.71	-	-	1946	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	D8																			
Location Name	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8A	D8A	D8A	D8A	D8A	D8A	D8A	D8A
Sample Name	D8_S3_3.4-5.4	D8_S4_5.4-7.4	D8_S5_7.4-9.4	D8_S8_3.1-13.1	D8_S6_9.5-11.5	D8_S7_11.5-13.5	D8_S9_13.5-15.5	D8_S10_15.5-17.5	D8_S11_17.5-19.5	D8_S12_19.5-21.5	D8_S13_21.5-23.5	D8_S14_23.5-25.5	D8A_S1_0-2.9	D8A_S2_4-5	D8A_S3_4-8	D8A_S3_5-7	D8A_S4_7-9	D8A_S6_8-13	D8A_S5_9-11	D8A_S6_11-13
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
Lab Sample ID	133708-15	133708-16	133708-17	133736-3 133736-54 133736-64 134154-1	133736-1	133736-2	133736-4	133736-5	133736-6	133736-7	133736-8	133736-9	138629-25 138629-29 138629-36	138629-13	138629-22 138629-30 138629-37 138772-3	138629-14	138629-15	138629-23 138629-31 138629-38 138772-6	138629-16	138629-17
Sample Depth (bgs)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	3.1 - 13.1 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0 - 2.9 (ft)	4 - 5 (ft)	4 - 8 (ft)	5 - 7 (ft)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)	15.8 to 13.8	13.8 to 11.8	11.8 to 9.8	16.1 to 6.1	9.7 to 7.7	7.7 to 5.7	5.7 to 3.7	3.7 to 1.7	1.7 to -0.3	-0.3 to -2.3	-2.3 to -4.3	-4.3 to -6.3	19 to 16.1	15 to 14	15 to 11	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	260	-	-	-	-	-	-	-	-	95	-	290	-	-	2200	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	380	-	-	-	-	-	-	-	-	69	-	250	-	-	110	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	290	-	-	-	-	-	-	-	-	ND (23)	-	55	-	-	34	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	18	-	-	-	-	-	-	-	-	3.9	-	29	-	-	6.9	-	-
Arsenic	-	-	-	ND (3.4)	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.5)	-	-	9.9	-	-
Barium	-	-	-	240	-	-	-	-	-	-	-	-	57	-	270	-	-	170	-	-
Beryllium	-	-	-	ND (0.34)	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	ND (0.36)	-	-
Cadmium	-	-	-	4.1	-	-	-	-	-	-	-	-	1.3	-	6.1	-	-	2.3	-	-
Chromium	-	-	-	27	-	-	-	-	-	-	-	-	22	-	18	-	-	15	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	1000	-	-	-	-	-	-	-	-	87	-	1500	-	-	730	-	-
Mercury	-	-	-	1.3	-	-	-	-	-	-	-	-	0.65	-	1.5	-	-	8	-	-
Nickel	-	-	-	28	-	-	-	-	-	-	-	-	15	-	28	-	-	16	-	-
Selenium	-	-	-	6	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.9)	-	-	ND (6.1)	-	-
Silver	-	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	ND (1.2)	-	-
Thallium	-	-	-	ND (5.7)	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.9)	-	-	ND (6.1)	-	-
Vanadium	-	-	-	36	-	-	-	-	-	-	-	-	48	-	42	-	-	28	-	-
Zinc	-	-	-	980	-	-	-	-	-	-	-	-	85	-	1200	-	-	600	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	0.3	-	-	130	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)
Aroclor-1221 (PCB-1221)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)
Aroclor-1232 (PCB-1232)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)
Aroclor-1242 (PCB-1242)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)
Aroclor-1248 (PCB-1248)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	0.21
Aroclor-1254 (PCB-1254)	190	0.11	3.9	11	0.095	3.4	ND (0.04)	0.082	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.82	25	-	6.5	10	-	0.38	ND (0.055)
Aroclor-1260 (PCB-1260)	110	0.098	2.1	5.8	0.067	2.1	ND (0.04)	0.065	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.34	18	-	4.8	6.7	-	0.22	0.18
Aroclor-1262 (PCB-1262)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)
Aroclor-1268 (PCB-1268)	ND (18)	ND (0.04)	ND (0.04)	ND (1.2)	ND (0.04)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.046)	ND (2.3)	-	ND (0.92)	ND (2.3)	-	ND (0.051)	ND (0.055)
SUM of PCBs	300	0.208	6	16.8	0.162	5.5	ND	0.147	ND	ND	ND	ND	1.16	43	-	11.3	16.7	-	0.6	0.39
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7.4	-	-	-	-	-	-	-	-	9.1	-	6.9	-	-	7	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.2)	-	-	ND (1.4)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	2.6	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.2)	-	-	2.3	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.9)	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.2)	-	-	ND (1.4)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			D9											E10				E11			
Location Name	D8A	D8A	D9	D9	D9	D9	D9	D9	D9	D9	D9	D9	D9A	E10	E10	E10	E10	E11	E11	E11	E12
Sample Name	D8A_S7_13-15	D8A_S8_13-19	D9_S1_0-4.2	D9_S2_3-8	D9_S3_5-7	D9_S4_7-8	D9_S5_8-13	D9_S6_9-11	D9_S7_11-13	D9_S8_13-15	D9_S8_13-18	D9_S9_15-17	D9A_S1_7.0-8.9	E10_S1_6.3-9.2	E10_S2_6.3-7.2	E10_S3_7.2-9.2	E10_S4_9.2-11.2	E11_S1_8.0-9.5	E11_S2_8.0-9.5	E11_S3_9.5-11.5	E12_S1_7.2-9.6
Sample Date	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	02/27/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	02/11/2015
Lab Sample ID	138629-18	138629-24 138629-32 138629-39 138772-8	138629-6	138629-19 138629-26 138629-33 138772-1	138629-7	138629-8	138629-20 138629-27 138629-34 138772-2	138629-9	138629-10	138629-11	138629-21 138629-28 138629-35 138772-4	138629-12	15B0908-01 15C0231-01	15B0360-01 15B0556-01	15B0360-02	15B0759-01	15B0759-02	15B0832-01 15C0132-01	15C0181-01	15C0181-02	15B0358-01 15B0554-01
Sample Depth (bgs)	13 - 15 (ft)	13 - 19 (ft)	0 - 4.2 (ft)	3 - 8 (ft)	5 - 7 (ft)	7 - 8 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	15 - 17 (ft)	7 - 8.9 (ft)	6.3 - 9.2 (ft)	6.3 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	8 - 9.5 (ft)	8 - 9.5 (ft)	9.5 - 11.5 (ft)	7.2 - 9.6 (ft)
Sample Elevation (ft BCB)	6 to 4	6 to 0	20.9 to 16.7	17.9 to 12.9	15.9 to 13.9	13.9 to 12.9	12.9 to 7.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	7.9 to 2.9	5.9 to 3.9	13.9 to 12	14.9 to 12	14.9 to 14	14 to 12	12 to 10	13.5 to 12	13.5 to 12	12 to 10	14.4 to 12
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0022)	-	-	-	ND (0.0026)	-	-	ND (0.0032)
1,2,4-Trichlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	-	-	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0011)	-	-	-	ND (0.0026)	-	-	ND (0.0016)
1,2,4-Trimethylbenzene	-	24	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.002	-	-	ND (0.0016)
1,2-Dichlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	-	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
1,3,5-Trichlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	12	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
1,3-Dichlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	-	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
1,4-Dichlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	-	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
Acetone	-	ND (4.5)	-	ND (2.5)	-	-	ND (2.8)	-	-	-	ND (2.5)	-	ND (0.052)	ND (0.054)	-	-	-	ND (0.065)	-	-	ND (0.081)
Benzene	-	8.2	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.0017	-	-	ND (0.0016)
Chlorobenzene	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
Chloroform (Trichloromethane)	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0022)	-	-	-	ND (0.0026)	-	-	ND (0.0032)
Cymene (p-Isopropyltoluene)	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.0024	-	-	ND (0.0016)
Ethylbenzene	-	9.7	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.0021	-	-	ND (0.0016)
Isopropylbenzene	-	1.2	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
m,p-Xylenes	-	34	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0022)	-	-	-	0.0027	-	-	ND (0.0032)
Methyl Tert Butyl Ether	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.0021)	ND (0.0022)	-	-	-	ND (0.0026)	-	-	ND (0.0032)
Methylene chloride	-	ND (1.8)	-	ND (1)	-	-	ND (1.1)	-	-	-	ND (1)	-	ND (0.0052)	ND (0.0054)	-	-	-	ND (0.0065)	-	-	ND (0.0081)
Naphthalene	-	1300	-	ND (0.25)	-	-	-	-	-	-	ND (0.25)	-	0.0095	ND (0.0054)	-	-	-	0.0069	-	-	ND (0.0081)
n-Propylbenzene	-	0.5	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
o-Xylene	-	13	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.0027	-	-	ND (0.0016)
Styrene	-	7.3	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.0031	-	-	ND (0.0016)
Tetrachloroethene	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
Toluene	-	23	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	0.0023	-	-	ND (0.0016)
Trichloroethene	-	ND (0.45)	-	ND (0.25)	-	-	ND (0.28)	-	-	-	ND (0.25)	-	ND (0.001)	ND (0.0011)	-	-	-	ND (0.0013)	-	-	ND (0.0016)
SUM of Volatile Organic Compounds	-	1432.9	-	ND	-	-	ND	-	-	-	ND	-	0.0095	ND	-	-	-	0.0259	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
1,2-Dichlorobenzene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
1,3-Dichlorobenzene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
1,4-Dichlorobenzene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
2,4-Dimethylphenol	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
2,4-Dinitrotoluene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
2,6-Dinitrotoluene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
2-Chloronaphthalene	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
2-Methylnaphthalene	-	360	-	ND (0.37)	-	-	1.9	-	-	-	ND (0.37)	-	ND (0.19)	ND (0.19)	-	-	-	0.22	-	-	ND (0.19)
2-Methylphenol	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
3&4-Methylphenol	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	1.1	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	0.39
Acenaphthene	-	ND (110)	-	ND (0.37)	-	-	3.7	-	-	-	ND (0.37)	-	ND (0.19)	0.62	-	-	-	0.25	-	-	0.25
Acenaphthylene	-	290	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.19)	ND (0.19)	-	-	-	ND (0.19)	-	-	ND (0.19)
Acetophenone	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
Aniline	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
Anthracene	-	310	-	ND (0.37)	-	-	6.6	-	-	-	ND (0.37)	-	0.21	0.74	-	-	-	0.45	-	-	0.74
Benzo(a)anthracene	-	200	-	0.48	-	-	9.6	-	-	-	0.67	-	0.54	1	-	-	-	0.8	-	-	1.6
Benzo(a)pyrene	-	170	-	0.41	-	-	8.4	-	-	-	0.56	-	0.49	0.88	-	-	-	0.72	-	-	1.3
Benzo(b)fluoranthene	-	180	-	0.58	-	-	10	-	-	-	0.68	-	0.67	1.1	-	-	-	1	-	-	1.9
Benzo(g,h,i)perylene	-	ND (110)	-	ND (0.37)	-	-	1.4	-	-	-	ND (0.37)	-	0.4	0.48	-	-	-	0.54	-	-	0.97
Benzo(k)fluoranthene	-	ND (110)	-	ND (0.37)	-	-	3.5	-	-	-	ND (0.37)	-	0.24	0.38	-	-	-	0.36	-	-	0.71
bis(2-Ethylhexyl)phthalate	-	ND (110)	-	0.43	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	0.54	-	-	-	0.54	-	-	0.92
Butyl benzylphthalate	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
Carbazole	-	ND (110)	-	ND (0.37)	-	-	3.1	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Chrysene	-	200	-	0.44	-	-	9.3	-	-	-	0.67	-	0.61	1	-	-	-	0.91	-	-	1.8
Dibenz(a,h)anthracene	-	ND (110)	-	ND (0.37)	-	-	0.66	-	-	-	ND (0.37)	-	ND (0.19)	ND (0.19)	-	-	-	ND (0.19)	-	-	0.26
Dibenzofuran	-	220	-	ND (0.37)	-	-	3.5	-	-	-	ND (0.37)	-	ND (0.39)	0.64	-	-	-	ND (0.38)	-	-	ND (0.37)
Diethyl phthalate	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
Di-n-butylphthalate	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
Di-n-octyl phthalate	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.77)	ND (0.75)	-	-	-	ND (0.76)	-	-	ND (0.73)
Fluoranthene	-	530	-	1.2	-	-	20	-	-	-	1.3	-	1.2	2.6	-	-	-	2.2	-	-	3.7
Fluorene	-	260	-	ND (0.37)	-	-	3.9	-	-	-	ND (0.37)	-	ND (0.19)	0.78	-	-	-	0.35	-	-	0.31
Indeno(1,2,3-cd)pyrene	-	ND (110)	-	ND (0.37)	-	-	2.3	-	-	-	ND (0.37)	-	0.43	0.6	-	-	-	0.64	-	-	1.2
Isophorone	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	ND (0.37)
Naphthalene	-	1500	-	ND (0.37)	-	-	4	-	-	-	ND (0.37)	-	0.59	0.29	-	-	-	0.47	-	-	0.38
N-Nitrosodiphenylamine	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	870	-	0.83	-	-	26	-	-	-	1.2	-	0.94	2.8	-	-	-	1.9	-	-	3.1
Phenol	-	ND (110)	-	ND (0.37)	-	-	ND (0.39)	-	-	-	ND (0.37)	-	ND (0.39)	ND (0.38)	-	-	-	ND (0.38)	-	-	0.98
Pyrene	-	480	-	1	-	-	20	-	-	-	1.7	-	1.1	2.5	-	-	-	1.7	-	-	3.4
SUM of Semi-Volatile Organic Compounds	-	5570	-	5.37	-	-	137.86	-	-	-	7.88	-	7.42	16.95	-	-	-	13.05	-	-	23.91

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			D9											E10				E11			
Location Name	D8A	D8A	D9	D9	D9	D9	D9	D9	D9	D9	D9	D9	D9A	E10	E10	E10	E10	E11	E11	E11	E12
Sample Name	D8A_S7_13-15	D8A_S8_13-19	D9_S1_0-4.2	D9_S2_3-8	D9_S3_5-7	D9_S4_7-8	D9_S5_8-13	D9_S6_9-11	D9_S7_11-13	D9_S8_13-15	D9_S8_13-18	D9_S9_15-17	D9A_S1_7.0-8.9	E10_S1_6.3-9.2	E10_S2_6.3-7.2	E10_S3_7.2-9.2	E10_S4_9.2-11.2	E11_S1_8.0-9.5	E11_S2_8.0-9.5	E11_S3_9.5-11.5	E12_S1_7.2-9.6
Sample Date	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	02/27/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/25/2015	02/25/2015	02/25/2015	02/11/2015
Lab Sample ID	138629-18	138629-24 138629-32 138629-39 138772-8	138629-6	138629-19 138629-26 138629-33 138772-1	138629-7	138629-8	138629-20 138629-27 138629-34 138772-2	138629-9	138629-10	138629-11	138629-21 138629-28 138629-35 138772-4	138629-12	15B0908-01 15C0231-01	15B0360-01 15B0556-01	15B0360-02	15B0759-01	15B0759-02	15B0832-01 15C0132-01	15C0181-01	15C0181-02	15B0358-01 15B0554-01
Sample Depth (bgs)	13 - 15 (ft)	13 - 19 (ft)	0 - 4.2 (ft)	3 - 8 (ft)	5 - 7 (ft)	7 - 8 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	15 - 17 (ft)	7 - 8.9 (ft)	6.3 - 9.2 (ft)	6.3 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	8 - 9.5 (ft)	8 - 9.5 (ft)	9.5 - 11.5 (ft)	7.2 - 9.6 (ft)
Sample Elevation (ft BCB)	6 to 4	6 to 0	20.9 to 16.7	17.9 to 12.9	15.9 to 13.9	13.9 to 12.9	12.9 to 7.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	7.9 to 2.9	5.9 to 3.9	13.9 to 12	14.9 to 12	14.9 to 14	14 to 12	12 to 10	13.5 to 12	13.5 to 12	12 to 10	14.4 to 12
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	180	580	-	-	-	4300	-	-	550
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	3400	-	33	-	-	98	-	-	-	66	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	530	-	52	-	-	29	-	-	-	48	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	170	-	ND (23)	-	-	ND (24)	-	-	-	ND (22)	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	ND (1.7)	-	3.5	-	-	2.7	-	-	-	2000	-	-	-	-	-	-	-	-	-	-
Arsenic	-	13	-	ND (3.5)	-	-	3.6	-	-	-	20	-	3.2	ND (2.7)	-	-	-	ND (2.8)	-	-	3.7
Barium	-	200	-	37	-	-	54	-	-	-	82	-	52	65	-	-	-	70	-	-	290
Beryllium	-	ND (0.52)	-	ND (0.35)	-	-	ND (0.36)	-	-	-	ND (0.33)	-	-	-	-	-	-	-	-	-	-
Cadmium	-	1.9	-	1.3	-	-	0.72	-	-	-	ND (0.55)	-	0.68	0.55	-	-	-	1.9	-	-	5.2
Chromium	-	15	-	7.3	-	-	9.1	-	-	-	9.6	-	14	21	-	-	-	24	-	-	34
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	25000	-	110	-	-	140	-	-	-	33000	-	420	110	-	-	-	540	-	-	2300
Mercury	-	5.8	-	0.12	-	-	0.52	-	-	-	9.2	-	0.13	0.44	-	-	-	0.51	-	-	0.89
Nickel	-	10	-	8.7	-	-	13	-	-	-	8.7	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (8.6)	-	ND (5.8)	-	-	ND (6)	-	-	-	ND (5.5)	-	ND (5.5)	ND (5.4)	-	-	-	ND (5.6)	-	-	ND (5.4)
Silver	-	ND (1.7)	-	ND (1.2)	-	-	ND (1.2)	-	-	-	1.8	-	ND (0.55)	ND (0.54)	-	-	-	ND (0.56)	-	-	ND (0.54)
Thallium	-	ND (8.6)	-	ND (5.8)	-	-	ND (6)	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-
Vanadium	-	28	-	23	-	-	17	-	-	-	15	-	-	-	-	-	-	-	-	-	-
Zinc	-	380	-	110	-	-	130	-	-	-	96	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	1.1	-	ND (0.3)	-	-	ND (0.3)	-	-	-	ND (0.3)	-	0.74	0.55	-	-	-	1.9	-	-	0.13
Mercury	-	ND (0.0002)	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.059)	-	ND (0.043)	-	ND (1.1)	ND (0.044)	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-
Aroclor-1221 (PCB-1221)	ND (0.059)	-	ND (0.043)	-	ND (1.1)	ND (0.044)	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-
Aroclor-1232 (PCB-1232)	ND (0.059)	-	ND (0.043)	-	ND (1.1)	ND (0.044)	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-
Aroclor-1242 (PCB-1242)	ND (0.059)	-	ND (0.043)	-	ND (1.1)	ND (0.044)	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-
Aroclor-1248 (PCB-1248)	ND (0.059)	-	0.32	-	ND (1.1)	ND (0.044)	-	1	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	1.7	0.4	-	10	ND (0.11)	-
Aroclor-1254 (PCB-1254)	ND (0.059)	-	ND (0.043)	-	9.2	0.45	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	0.53	0.18	-	16	0.41	-
Aroclor-1260 (PCB-1260)	ND (0.059)	-	0.11	-	5.2	0.26	-	0.29	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	15	ND (0.11)	-
Aroclor-1262 (PCB-1262)	ND (0.059)	-	ND (0.043)	-	ND (1.1)	ND (0.044)	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-
Aroclor-1268 (PCB-1268)	ND (0.059)	-	ND (0.043)	-	ND (1.1)	ND (0.044)	-	ND (0.045)	ND (0.049)	ND (0.052)	-	ND (0.052)	-	-	ND (0.1)	ND (0.22)	ND (0.1)	-	ND (2.2)	ND (0.11)	-
SUM of PCBs	ND	-	0.43	-	14.4	0.71	-	1.29	ND	ND	-	ND	-	-	ND	2.23	0.58	-	41	0.41	-
Other																					
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	87.5	89.8	95.3	86.5	94.6	88.3	88.6	86.1	91.6
Ignitability (Flashpoint) (Deg F)	-	165 >	-	165 >	-	-	165 >	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	ND (50)	-	-	ND (50)	-	-	-	ND (50)	-	ND (3.9)	ND (3.9)	-	-	-	ND (3.9)	-	-	ND (3.9)
Reactive Sulfide (mg/kg)	-	ND (100)	-	ND (100)	-	-	ND (100)	-	-	-	ND (100)	-	ND (20)	ND (20)	-	-	-	ND (20)	-	-	ND (19)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	140	82	-	-	-	86	-	-	110
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	NI	NI	-	-	-	NI	-	-	NI
pH Corrosivity (pH units)	-	7	-	7.2	-	-	7.1	-	-	-	7	-	8.7	9.8	-	-	-	8.4	-	-	10
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (88)	-	ND (1.1)	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	210	-	ND (1.1)	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (88)	-	ND (1.1)	-	-	ND (1.2)	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	E12			E13										E14					E14
Location Name	E12	E12	E12	E13	E13	E13	E13	E13	E13	E13	E13	E13	E13	E14	E14	E14	E14	E14	E14
Sample Name	E12_S2_7.2-7.6	E12_S3_7.6-9.6	E12_S4_9.6-11.6	E13_S1_0-2.2	E13_S4_6.5-12.9	E13_S2_9.5-11.5	E13_S3_11.5-12.9	E13_S5_13.5-15.5	E13_S6_15.5-17.5	E13_S7_17.5-19.5	E13_S8_19.5-21.5	E13_S9_21.5-23.5	E13_S10_23.5-25.5	E14_S1_0.5-6.0	E14_S3_10.0-12.0	E14_S4_12.0-14.0	E14_S3_12-14	E14_S5_12-16	E14_S4_14-16
Sample Date	02/11/2015	02/11/2015	02/11/2015	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/03/2010	06/03/2010	06/03/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15B0358-02	15B0760-01	15B0760-02	133689-44 133689-56 133689-65	133689-47 133689-57 133689-66 133883-5	133689-45	133689-46	133689-48	133708-18	133708-19	133708-20	133708-21	133708-22	133644-34 133644-42 133644-49 133842-1	133644-19	133644-20	133708-33	133708-50 133708-61 133708-69 133941-3	133708-34
Sample Depth (bgs)	7.2 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	0 - 2.2 (ft)	6.5 - 12.9 (ft)	9.5 - 11.5 (ft)	11.5 - 12.9 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0.5 - 6 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	12 - 16 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)	14.4 to 14	14 to 12	12 to 10	21.5 to 19.3	15 to 8.6	12 to 10	10 to 8.6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	20.9 to 15.4	11.4 to 9.4	9.4 to 7.4	9.4 to 7.4	9.4 to 5.4	7.4 to 5.4
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,2-Dichlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,3-Dichlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
1,4-Dichlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Acetone	-	-	-	ND (2.5)	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.29)	-	-	-	ND (0.38)	-
Benzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Chlorobenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Chloroform (Trichloromethane)	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Ethylbenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Isopropylbenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
m,p-Xylenes	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Methyl Tert Butyl Ether	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Methylene chloride	-	-	-	ND (1)	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.073)	-	-	-	ND (0.096)	-
Naphthalene	-	-	-	0.9	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
n-Propylbenzene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
o-Xylene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Styrene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Tetrachloroethene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Toluene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
Trichloroethene	-	-	-	ND (0.25)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.01)	-
SUM of Volatile Organic Compounds	-	-	-	0.9	ND	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
1,2-Dichlorobenzene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
1,3-Dichlorobenzene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
1,4-Dichlorobenzene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
2,4-Dimethylphenol	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
2,4-Dinitrotoluene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
2,6-Dinitrotoluene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
2-Chloronaphthalene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
2-Methylnaphthalene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
2-Methylphenol	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
3&4-Methylphenol	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Acenaphthene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Acenaphthylene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Acetophenone	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Aniline	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Anthracene	-	-	-	0.45	ND (0.37)	-	-	-	-	-	-	-	-	0.37	-	-	-	ND (0.43)	-
Benzo(a)anthracene	-	-	-	0.91	0.44	-	-	-	-	-	-	-	-	0.87	-	-	-	1.1	-
Benzo(a)pyrene	-	-	-	0.79	ND (0.37)	-	-	-	-	-	-	-	-	0.84	-	-	-	1.2	-
Benzo(b)fluoranthene	-	-	-	1	0.48	-	-	-	-	-	-	-	-	1.2	-	-	-	1.3	-
Benzo(g,h,i)perylene	-	-	-	0.6	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	1.2	-
Benzo(k)fluoranthene	-	-	-	0.35	ND (0.37)	-	-	-	-	-	-	-	-	0.43	-	-	-	0.44	-
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.33)	0.44	-	-	-	-	-	-	-	-	0.4	-	-	-	ND (0.43)	-
Butyl benzylphthalate	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Carbazole	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Chrysene	-	-	-	0.93	0.45	-	-	-	-	-	-	-	-	0.92	-	-	-	1.1	-
Dibenz(a,h)anthracene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	0.54	-
Dibenzofuran	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Diethyl phthalate	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Di-n-butylphthalate	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Di-n-octyl phthalate	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Fluoranthene	-	-	-	1.9	0.86	-	-	-	-	-	-	-	-	1.8	-	-	-	1.5	-
Fluorene	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Indeno(1,2,3-cd)pyrene	-	-	-	0.62	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	0.95	-
Isophorone	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Naphthalene	-	-	-	0.33	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
N-Nitrosodiphenylamine	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Phenanthrene	-	-	-	1.6	0.87	-	-	-	-	-	-	-	-	1.2	-	-	-	0.89	-
Phenol	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.43)	-
Pyrene	-	-	-	1.5	0.77	-	-	-	-	-	-	-	-	1.4	-	-	-	1.3	-
SUM of Semi-Volatile Organic Compounds	-	-	-	10.98	4.31	-	-	-	-	-	-	-	-	9.43	-	-	-	11.52	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	E12			E13										E14					E14
Location Name	E12	E12	E12	E13	E13	E13	E13	E13	E13	E13	E13	E13	E13	E14	E14	E14	E14	E14	E14
Sample Name	E12_S2_7.2-7.6	E12_S3_7.6-9.6	E12_S4_9.6-11.6	E13_S1_0-2.2	E13_S4_6.5-12.9	E13_S2_9.5-11.5	E13_S3_11.5-12.9	E13_S5_13.5-15.5	E13_S6_15.5-17.5	E13_S7_17.5-19.5	E13_S8_19.5-21.5	E13_S9_21.5-23.5	E13_S10_23.5-25.5	E14_S1_0.5-6.0	E14_S3_10.0-12.0	E14_S4_12.0-14.0	E14_S3_12-14	E14_S5_12-16	E14_S4_14-16
Sample Date	02/11/2015	02/11/2015	02/11/2015	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/03/2010	06/03/2010	06/03/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15B0358-02	15B0760-01	15B0760-02	133689-44 133689-56 133689-65	133689-47 133689-57 133689-66 133883-5	133689-45	133689-46	133689-48	133708-18	133708-19	133708-20	133708-21	133708-22	133644-34 133644-42 133644-49 133842-1	133644-19	133644-20	133708-33	133708-50 133708-61 133708-69 133941-3	133708-34
Sample Depth (bgs)	7.2 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	0 - 2.2 (ft)	6.5 - 12.9 (ft)	9.5 - 11.5 (ft)	11.5 - 12.9 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0.5 - 6 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	12 - 16 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)	14.4 to 14	14 to 12	12 to 10	21.5 to 19.3	15 to 8.6	12 to 10	10 to 8.6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	20.9 to 15.4	11.4 to 9.4	9.4 to 7.4	9.4 to 7.4	9.4 to 5.4	7.4 to 5.4
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	110	63	-	-	-	-	-	-	-	-	88	-	-	-	48	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	130	93	-	-	-	-	-	-	-	-	86	-	-	-	ND (40)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (30)	ND (32)	-	-	-	-	-	-	-	-	ND (33)	-	-	-	ND (40)	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	ND (1.1)	5.2	-	-	ND (1.5)	-	-	-	-	-	1.7	-	-	-	ND (1.3)	-
Arsenic	-	-	-	ND (3.2)	ND (3.3)	-	-	5.1	-	-	-	-	-	59	-	-	-	6.9	-
Barium	-	-	-	41	66	-	-	370	-	-	-	-	-	82	-	-	-	280	-
Beryllium	-	-	-	ND (0.32)	ND (0.33)	-	-	ND (0.44)	-	-	-	-	-	ND (0.34)	-	-	-	ND (0.4)	-
Cadmium	-	-	-	0.55	4.2	-	-	0.79	-	-	-	-	-	1.7	-	-	-	1.1	-
Chromium	-	-	-	13	30	-	-	14	-	-	-	-	-	25	-	-	-	21	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	39	1700	-	-	73	-	-	-	-	-	110	-	-	-	1200	-
Mercury	-	-	-	0.35	0.34	-	-	0.25	-	-	-	-	-	0.29	-	-	-	2.4	-
Nickel	-	-	-	7.5	29	-	-	19	-	-	-	-	-	38	-	-	-	11	-
Selenium	-	-	-	ND (5.4)	ND (5.5)	-	-	ND (7.3)	-	-	-	-	-	6.5	-	-	-	7.2	-
Silver	-	-	-	ND (1.1)	ND (1.1)	-	-	ND (1.5)	-	-	-	-	-	ND (1.1)	-	-	-	ND (1.3)	-
Thallium	-	-	-	ND (5.4)	ND (5.5)	-	-	ND (7.3)	-	-	-	-	-	ND (5.7)	-	-	-	ND (6.7)	-
Vanadium	-	-	-	20	62	-	-	37	-	-	-	-	-	34	-	-	-	23	-
Zinc	-	-	-	51	440	-	-	86	-	-	-	-	-	150	-	-	-	370	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	6	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	2.7	-
Mercury	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.55)	ND (0.11)	ND (0.56)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.55)	ND (0.11)	ND (0.56)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.55)	ND (0.11)	ND (0.56)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	3.8	ND (0.11)	4.1	ND (0.04)	-	ND (0.04)	0.26	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	1.1	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	2.9	0.16	ND (0.56)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	0.68	0.27	3.5	0.087	-	0.049	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	130	160	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	ND (0.55)	0.35	1.8	0.048	-	ND (0.04)	0.25	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.31	110	110	0.053	0.27	0.088
Aroclor-1262 (PCB-1262)	ND (0.55)	ND (0.11)	ND (0.56)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.55)	ND (0.11)	ND (0.56)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	7.38	0.78	9.4	0.135	-	0.049	0.51	ND	ND	ND	ND	ND	ND	1.41	240	270	0.053	0.27	0.088
Other																			
Percent Solids, vol. (%wt)	87.6	90.9	86.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7.6	9.3	-	-	-	-	-	-	-	-	6.9	-	-	-	6.7	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1)	ND (1.4)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.8)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	1.3	ND (1.4)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.8)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1)	ND (1.4)	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.8)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid																			
							E15											E16	
Location Name	E14	E14	E14	E14	E14	E14A	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E16	E16
Sample Name	E14_S6_16-18	E14_S7_18-20	E14_S8_20-22	E14_S9_22-24	E14_S10_24-26	E14A_S1_7.0-14.1	E15_S1_0.5-5.5	E15_S2_7.5-9.5	E15_S4_7.5-11.5	E15_S3_9.5-11.5	E15_S5_11.5-13.5	E15_S7_11.5-16.5	E15_S6_16-17.5	E15_S10_16.5-21.5	E15_S8_17.5-19.5	E15_S9_19.5-21.5	E15_S11_21.5-23.5	E16_S1_5.1-9.4	E16_S2_5.5-7.5
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/26/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/23/2015	01/23/2015
Lab Sample ID	133708-35	133708-36	133708-37	133708-38	133708-39	15B0851-01 15C0185-01	139069-7	139069-8	139069-19 139069-22	139069-9	139069-10	139069-20 139069-23	139069-11	139069-18 139069-21 139069-24 139188-1 139188-2	139069-12	139069-13	139069-14	15A0790-01	15A0790-02
Sample Depth (bgs)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 14.1 (ft)	0.5 - 5.5 (ft)	7.5 - 9.5 (ft)	7.5 - 11.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	11.5 - 16.5 (ft)	16 - 17.5 (ft)	16.5 - 21.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	5.1 - 9.4 (ft)	5.5 - 7.5 (ft)
Sample Elevation (ft BCB)	5.4 to 3.4	3.4 to 1.4	1.4 to -0.6	-0.6 to -2.6	-2.6 to -4.6	14.5 to 7.4	21 to 16	14 to 12	14 to 10	12 to 10	10 to 8	10 to 5	5.5 to 4	5 to 0	4 to 2	2 to 0	0 to -2	16.4 to 12.1	16 to 14
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0028)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0028)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Acetone	-	-	-	-	-	ND (0.071)	-	-	ND (0.25)	-	-	ND (0.2)	-	ND (2.8)	-	-	-	ND (0.074)	-
Benzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Chlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0028)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Ethylbenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Isopropylbenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
m,p-Xylenes	-	-	-	-	-	ND (0.0028)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0028)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0029)	-
Methylene chloride	-	-	-	-	-	ND (0.0071)	-	-	ND (0.062)	-	-	ND (0.05)	-	ND (1.1)	-	-	-	ND (0.0074)	-
Naphthalene	-	-	-	-	-	ND (0.0071)	-	-	ND (0.006)	-	-	ND (0.005)	-	10	-	-	-	ND (0.0074)	-
n-Propylbenzene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
o-Xylene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Styrene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Tetrachloroethene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Toluene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
Trichloroethene	-	-	-	-	-	ND (0.0014)	-	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.28)	-	-	-	ND (0.0015)	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	ND	-	-	ND	-	10	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	0.98	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
2-Methylnaphthalene	-	-	-	-	-	0.47	-	-	ND (0.34)	-	-	ND (0.36)	-	28	-	-	-	ND (0.18)	-
2-Methylphenol	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
3&4-Methylphenol	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Acenaphthene	-	-	-	-	-	0.7	-	-	ND (0.34)	-	-	ND (0.36)	-	35	-	-	-	ND (0.18)	-
Acenaphthylene	-	-	-	-	-	ND (0.2)	-	-	ND (0.34)	-	-	ND (0.36)	-	5.9	-	-	-	ND (0.18)	-
Acetophenone	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Aniline	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Anthracene	-	-	-	-	-	1.6	-	-	ND (0.34)	-	-	ND (0.36)	-	29	-	-	-	0.4	-
Benzo(a)anthracene	-	-	-	-	-	3.3	-	-	ND (0.34)	-	-	ND (0.36)	-	27	-	-	-	0.93	-
Benzo(a)pyrene	-	-	-	-	-	3	-	-	ND (0.34)	-	-	ND (0.36)	-	23	-	-	-	0.79	-
Benzo(b)fluoranthene	-	-	-	-	-	4.5	-	-	ND (0.34)	-	-	ND (0.36)	-	25	-	-	-	0.94	-
Benzo(g,h,i)perylene	-	-	-	-	-	1.2	-	-	ND (0.34)	-	-	ND (0.36)	-	9	-	-	-	0.52	-
Benzo(k)fluoranthene	-	-	-	-	-	1.8	-	-	ND (0.34)	-	-	ND (0.36)	-	8.5	-	-	-	0.45	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	58	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.36)	-	14	-	-	-	-	-
Chrysene	-	-	-	-	-	3.2	-	-	ND (0.34)	-	-	ND (0.36)	-	23	-	-	-	0.9	-
Dibenz(a,h)anthracene	-	-	-	-	-	0.38	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.18)	-
Dibenzofuran	-	-	-	-	-	0.53	-	-	ND (0.34)	-	-	ND (0.36)	-	25	-	-	-	ND (0.36)	-
Diethyl phthalate	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.78)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.71)	-
Fluoranthene	-	-	-	-	-	6.8	-	-	ND (0.34)	-	-	0.55	-	64	-	-	-	1.8	-
Fluorene	-	-	-	-	-	0.77	-	-	ND (0.34)	-	-	ND (0.36)	-	32	-	-	-	ND (0.18)	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	1.5	-	-	ND (0.34)	-	-	ND (0.36)	-	11	-	-	-	0.51	-
Isophorone	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Naphthalene	-	-	-	-	-	0.87	-	-	ND (0.34)	-	-	ND (0.36)	-	51	-	-	-	0.3	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	-	-
Phenanthrene	-	-	-	-	-	6.7	-	-	ND (0.34)	-	-	0.48	-	93	-	-	-	1.3	-
Phenol	-	-	-	-	-	ND (0.4)	-	-	ND (0.34)	-	-	ND (0.36)	-	ND (4.6)	-	-	-	ND (0.36)	-
Pyrene	-	-	-	-	-	6.7	-	-	ND (0.34)	-	-	0.45	-	57	-	-	-	1.9	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	103	-	-	ND	-	-	1.48	-	560.4	-	-	-	10.74	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							E15											E16	
Location Name	E14	E14	E14	E14	E14	E14A	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E15	E16	E16
Sample Name	E14_S6_16-18	E14_S7_18-20	E14_S8_20-22	E14_S9_22-24	E14_S10_24-26	E14A_S1_7.0-14.1	E15_S1_0.5-5.5	E15_S2_7.5-9.5	E15_S4_7.5-11.5	E15_S3_9.5-11.5	E15_S5_11.5-13.5	E15_S7_11.5-16.5	E15_S6_16-17.5	E15_S10_16.5-21.5	E15_S8_17.5-19.5	E15_S9_19.5-21.5	E15_S11_21.5-23.5	E16_S1_5.1-9.4	E16_S2_5.5-7.5
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/26/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/10/2011	01/23/2015	01/23/2015
Lab Sample ID	133708-35	133708-36	133708-37	133708-38	133708-39	15B0851-01 15C0185-01	139069-7	139069-8	139069-16 139069-19 139069-22	139069-9	139069-10	139069-17 139069-20 139069-23	139069-11	139069-18 139069-21 139069-24 139188-1 139188-2	139069-12	139069-13	139069-14	15A0790-01	15A0790-02
Sample Depth (bgs)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 14.1 (ft)	0.5 - 5.5 (ft)	7.5 - 9.5 (ft)	7.5 - 11.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	11.5 - 16.5 (ft)	16 - 17.5 (ft)	16.5 - 21.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	5.1 - 9.4 (ft)	5.5 - 7.5 (ft)
Sample Elevation (ft BCB)	5.4 to 3.4	3.4 to 1.4	1.4 to -0.6	-0.6 to -2.6	-2.6 to -4.6	14.5 to 7.4	21 to 16	14 to 12	14 to 10	12 to 10	10 to 8	10 to 5	5.5 to 4	5 to 0	4 to 2	2 to 0	0 to -2	16.4 to 12.1	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	1700	-	-	-	-	-	-	-	-	-	-	-	440	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (20)	-	-	31	-	460	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	28	-	-	28	-	73	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (22)	-	32	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	2.9	-	-	2.9	-	6.7	-	-	-	-	-
Arsenic	-	-	-	-	-	3.3	-	-	ND (3.1)	-	-	ND (3.4)	-	11	-	-	-	5.4	-
Barium	-	-	-	-	-	370	-	-	58	-	-	90	-	330	-	-	-	73	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.31)	-	-	ND (0.34)	-	ND (0.44)	-	-	-	-	-
Cadmium	-	-	-	-	-	11	-	-	0.86	-	-	0.81	-	1.6	-	-	-	0.69	-
Chromium	-	-	-	-	-	78	-	-	19	-	-	24	-	43	-	-	-	33	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Lead	-	-	-	-	-	17000	-	-	9.6	-	-	69	-	510	-	-	-	60	-
Mercury	-	-	-	-	-	3.6	-	-	0.099	-	-	0.69	-	3.5	-	-	-	0.24	-
Nickel	-	-	-	-	-	-	-	-	10	-	-	11	-	26	-	-	-	-	-
Selenium	-	-	-	-	-	ND (5.8)	-	-	ND (5.2)	-	-	ND (5.7)	-	ND (7.3)	-	-	-	ND (5)	-
Silver	-	-	-	-	-	ND (0.58)	-	-	ND (1)	-	-	ND (1.1)	-	ND (1.5)	-	-	-	ND (0.5)	-
Thallium	-	-	-	-	-	-	-	-	ND (5.2)	-	-	ND (5.7)	-	ND (7.3)	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	37	-	-	35	-	59	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	68	-	-	76	-	280	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	8.7	-	-	-	-	-	-	-	10	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	1.5	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	0.44
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	0.046	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	0.3
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.57	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	0.13
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.054)	-	ND (0.069)	-	ND (0.08)	ND (0.067)	ND (0.069)	-	ND (0.11)
SUM of PCBs	ND	ND	ND	ND	ND	-	2.07	ND	-	0.046	ND	-	ND	-	ND	ND	ND	-	0.87
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	85.2	-	-	-	-	-	-	-	-	-	-	-	94.1	88.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (4)	-	-	ND (50)	-	-	ND (50)	-	ND (50)	-	-	-	ND (4)	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	ND (100)	-	-	ND (100)	-	ND (100)	-	-	-	ND (20)	-
Oxidation reduction potential (mv)	-	-	-	-	-	100	-	-	-	-	-	-	-	420	-	-	-	93	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	-	-	-	-	-	10	-	-	7.1	-	-	7.1	-	7.3	-	-	-	9.3	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	ND (3.1)	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	7.1	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1)	-	ND (3.1)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	E17			E18		E21		E22			E3				E4				E5		
Location Name	E17	E17	E17	E18	E18	E21	E21	E22	E22	E22	E3	E3	E3	E3	E4	E4	E4	E4	E5	E5	E5
Sample Name	E17_S1_4.3-9.0	E17_S2_4.3-5.0	E17_S3_5.0-7.0	E18_S1_10-15	E18_S2_15-20	E21_S1_4.5-5.5	E21_S1_7.0-8.5	E22_S1_0.3-8.3	E22_S2_0.3-4.3	E22_S3_4.3-6.3	E3_S1_0.0-1.2	E3_S2_1.2-3.2	E3_S3_3.2-5.2	E3_S4_5.2-7.2	E4_S1_1.2-2.2	E4_S2_2.2-4.2	E4_S3_4.2-6.2	E4_S4_6.2-8.2	E5_S1_1.8-2.8	E5_S2_2.8-4.8	E5_S3_4.8-6.8
Sample Date	02/10/2015	02/10/2015	02/10/2015	01/07/2011	01/07/2011	02/10/2015	02/26/2015	02/10/2015	02/10/2015	02/10/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015
Lab Sample ID	15B0322-01 15B0449-01	15B0322-02	15B0322-03	139039-18 139039-21 139039-24 139189-3	139039-19 139039-22 139039-25 139189-5	15B0321-01	15B0853-01	15B0316-01	15B0316-02	15B0316-03	15L0053-16	15L0053-17	15L0053-18	15L0053-19	15K0894-15	15K0894-16	15K0894-17	15K0894-18	15L0041-07	15L0041-08	15L0041-09
Sample Depth (bgs)	4.3 - 9 (ft)	4.3 - 5 (ft)	5 - 7 (ft)	10 - 15 (ft)	15 - 20 (ft)	4.5 - 5.5 (ft)	7 - 8.5 (ft)	0.3 - 8.3 (ft)	0.3 - 4.3 (ft)	4.3 - 6.3 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)
Sample Elevation (ft BCB)	16.7 to 12	16.7 to 16	16 to 14	11 to 6	6 to 1	16 to 15	13.5 to 12	20 to 12	20 to 16	16 to 14	17.2 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.011)	ND (0.015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (0.067)	-	-	ND (0.44)	ND (0.58)	-	-	ND (0.067)	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.0027)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.0067)	-	-	ND (0.11)	ND (0.15)	-	-	ND (0.0067)	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (0.0067)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0067)	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.0013)	-	-	ND (0.011)	ND (0.015)	-	-	ND (0.0013)	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	-	-	ND	ND	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	0.58	-	-	ND (0.4)	ND (0.59)	-	-	0.79	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1.7	-	-	0.81	ND (0.59)	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1.4	-	-	0.92	ND (0.59)	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1.6	-	-	1.1	ND (0.59)	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	0.72	-	-	0.56	ND (0.59)	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.68	-	-	ND (0.4)	ND (0.59)	-	-	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.37)	-	-	ND (0.4)	0.6	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	ND (0.4)	ND (0.59)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	1.5	-	-	0.78	ND (0.59)	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.23	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.73)	-	-	ND (0.4)	ND (0.59)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	2.7	-	-	1.2	1.1	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ND (0.18)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.8	-	-	0.57	ND (0.59)	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	0.22	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.4)	ND (0.59)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1.8	-	-	1	1.1	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	ND (0.37)	-	-	ND (0.4)	ND (0.59)	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	2.7	-	-	0.97	0.93	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	16.63	-	-	7.91	3.73	-	-	18.54	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	E17			E18		E21		E22			E3				E4				E5		
Location Name	E17	E17	E17	E18	E18	E21	E21	E22	E22	E22	E3	E3	E3	E3	E4	E4	E4	E4	E5	E5	E5
Sample Name	E17_S1_4.3-9.0	E17_S2_4.3-5.0	E17_S3_5.0-7.0	E18_S1_10-15	E18_S2_15-20	E21_S1_4.5-5.5	E21_S1_7.0-8.5	E22_S1_0.3-8.3	E22_S2_0.3-4.3	E22_S3_4.3-6.3	E3_S1_0.0-1.2	E3_S2_1.2-3.2	E3_S3_3.2-5.2	E3_S4_5.2-7.2	E4_S1_1.2-2.2	E4_S2_2.2-4.2	E4_S3_4.2-6.2	E4_S4_6.2-8.2	E5_S1_1.8-2.8	E5_S2_2.8-4.8	E5_S3_4.8-6.8
Sample Date	02/10/2015	02/10/2015	02/10/2015	01/07/2011	01/07/2011	02/10/2015	02/26/2015	02/10/2015	02/10/2015	02/10/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015
Lab Sample ID	15B0322-01 15B0449-01	15B0322-02	15B0322-03	139039-18 139039-21 139039-24 139189-3	139039-19 139039-22 139039-25 139189-5	15B0321-01	15B0853-01	15B0316-01	15B0316-02	15B0316-03	15L0053-16	15L0053-17	15L0053-18	15L0053-19	15K0894-15	15K0894-16	15K0894-17	15K0894-18	15L0041-07	15L0041-08	15L0041-09
Sample Depth (bgs)	4.3 - 9 (ft)	4.3 - 5 (ft)	5 - 7 (ft)	10 - 15 (ft)	15 - 20 (ft)	4.5 - 5.5 (ft)	7 - 8.5 (ft)	0.3 - 8.3 (ft)	0.3 - 4.3 (ft)	4.3 - 6.3 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)
Sample Elevation (ft BCB)	16.7 to 12	16.7 to 16	16 to 14	11 to 6	6 to 1	16 to 15	13.5 to 12	20 to 12	20 to 16	16 to 14	17.2 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	970	-	-	-	-	-	-	560	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	68	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	62	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (24)	ND (35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	5.2	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	4	-	-	4.3	21	-	-	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	210	-	-	210	250	-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	ND (0.37)	ND (0.54)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.6	-	-	ND (0.62)	17	-	-	0.61	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	21	-	-	8.8	14	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	420	-	-	3000	500	-	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	0.34	-	-	8.3	11	-	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	7.4	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	ND (5.3)	-	-	ND (6.2)	ND (9)	-	-	ND (6)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	ND (0.53)	-	-	ND (1.2)	4.6	-	-	ND (0.6)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	ND (6.2)	ND (9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	17	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	130	5300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.21	-	-	630	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)
Aroclor-1221 (PCB-1221)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)
Aroclor-1232 (PCB-1232)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)
Aroclor-1242 (PCB-1242)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	0.16	ND (0.12)	ND (0.47)	ND (0.11)
Aroclor-1248 (PCB-1248)	-	ND (0.13)	ND (0.12)	-	-	0.2	ND (0.12)	-	0.57	0.12	ND (0.11)	0.3	ND (0.11)	ND (0.12)	6.7	7.1	ND (0.11)	ND (0.1)	1.4	2.3	ND (0.11)
Aroclor-1254 (PCB-1254)	-	0.17	ND (0.12)	-	-	0.13	ND (0.12)	-	0.44	0.15	0.11	0.65	ND (0.11)	ND (0.12)	6.5	9.4	ND (0.11)	ND (0.1)	0.53	0.96	ND (0.11)
Aroclor-1260 (PCB-1260)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	0.14	ND (0.11)	ND (0.11)	0.29	ND (0.11)	ND (0.12)	2.7	3.4	ND (0.11)	ND (0.1)	0.24	ND (0.47)	ND (0.11)
Aroclor-1262 (PCB-1262)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)
Aroclor-1268 (PCB-1268)	-	ND (0.13)	ND (0.12)	-	-	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (1)	ND (2.1)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.47)	ND (0.11)
SUM of PCBs	-	0.17	ND	-	-	0.33	ND	-	1.15	0.27	0.11	1.24	ND	ND	15.9	19.9	ND	0.16	2.17	3.26	ND
Other																					
Percent Solids, vol. (%wt)	92.2	78.6	85.5	-	-	86.3	84.1	90.7	89.2	90.6	87.8	95.2	87.8	80.7	93.8	92.9	89.9	95.9	84.1	84.9	90.1
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (4)	-	-	ND (50)	ND (50)	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (20)	-	-	ND (100)	ND (100)	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	79	-	-	-	-	-	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	11	-	-	7.4	7.1	-	-	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.8)	ND (3.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1.8)	ND (3.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.8)	ND (3.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		E6				E7														
Location Name	E5	E6	E6	E6	E6	E7	E7	E7	E7	E7	E7	E7	E7	E7	E7	E7	E8	E8	E8	E8
Sample Name	E5_S4_6.8-8.8	E6_S1_1.6-2.6	E6_S2_2.6-4.6	E6_S3_4.6-6.6	E6_S4_6.6-8.6	E7_S1_0.5-2.0	E7_S2_4.5-6.5	E7_S5_4.5-10.5	E7_S3_6.5-8.5	E7_S4_8.5-10.5	E7_S6_10.5-12.5	E7_S7_12.5-14.5	E7_S8_14.5-16.5	E7_S9_16.5-18.5	E7_S10_18.5-20.5	E7_S11_20.5-22.5	E8_S01_1.0-3.0	E8_S02_5.0-7.0	E8_S12_5.0-15.0	E8_S3_7.0-9.0
Sample Date	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15L0041-10	15K1344-07	15K1344-08	15K1344-09	15K1344-10	134292-10 134292-50 134292-58	134292-11	134292-13 134292-51 134292-59 134569-2	134292-12	134292-14	134292-15	134292-16	134316-7	134316-8	134316-9	134316-10	133708-48 133708-64 133708-72 133941-1	133708-4	133708-53 133708-65 133708-73 133941-5	133708-5
Sample Depth (bgs)	6.8 - 8.8 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.5 - 2 (ft)	4.5 - 6.5 (ft)	4.5 - 10.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	1 - 3 (ft)	5 - 7 (ft)	5 - 15 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 16.5	14 to 12	14 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.4 to 16.4	14.4 to 12.4	14.4 to 4.4	12.4 to 10.4
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Acetone	-	-	-	-	-	ND (0.33)	-	ND (0.23)	-	-	-	-	-	-	-	-	ND (0.28)	-	ND (0.21)	-
Benzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Chlorobenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Ethylbenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Isopropylbenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
m,p-Xylenes	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Methylene chloride	-	-	-	-	-	ND (0.083)	-	ND (0.058)	-	-	-	-	-	-	-	-	ND (0.069)	-	ND (0.054)	-
Naphthalene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
n-Propylbenzene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
o-Xylene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Styrene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Tetrachloroethene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Toluene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
Trichloroethene	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.71)	-	ND (0.78)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
2-Methylnaphthalene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
2-Methylphenol	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
3&4-Methylphenol	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Acenaphthene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Acenaphthylene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Acetophenone	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Aniline	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Anthracene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	0.77	-
Benzo(a)anthracene	-	-	-	-	-	0.63	-	0.84	-	-	-	-	-	-	-	-	0.95	-	2.9	-
Benzo(a)pyrene	-	-	-	-	-	0.56	-	0.92	-	-	-	-	-	-	-	-	0.84	-	2.8	-
Benzo(b)fluoranthene	-	-	-	-	-	0.87	-	1.3	-	-	-	-	-	-	-	-	1.1	-	3.4	-
Benzo(g,h,i)perylene	-	-	-	-	-	ND (0.35)	-	0.62	-	-	-	-	-	-	-	-	0.68	-	2.1	-
Benzo(k)fluoranthene	-	-	-	-	-	ND (0.35)	-	0.5	-	-	-	-	-	-	-	-	0.39	-	1.2	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	0.44	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Carbazole	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Chrysene	-	-	-	-	-	0.64	-	0.9	-	-	-	-	-	-	-	-	1	-	2.9	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	0.58	-
Dibenzofuran	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Diethyl phthalate	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Fluoranthene	-	-	-	-	-	1.5	-	1.9	-	-	-	-	-	-	-	-	1.7	-	5.5	-
Fluorene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	ND (0.35)	-	0.67	-	-	-	-	-	-	-	-	0.71	-	2.4	-
Isophorone	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Naphthalene	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
N-Nitrosodiphenylamine	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Phenanthrene	-	-	-	-	-	1.1	-	1.7	-	-	-	-	-	-	-	-	1.1	-	3	-
Phenol	-	-	-	-	-	ND (0.35)	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.42)	-
Pyrene	-	-	-	-	-	1.3	-	1.5	-	-	-	-	-	-	-	-	1.5	-	5.6	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	6.6	-	10.85	-	-	-	-	-	-	-	-	9.97	-	33.59	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		E6				E7														
Location Name	E5	E6	E6	E6	E6	E7	E7	E7	E7	E7	E7	E7	E7	E7	E7	E7	E8	E8	E8	E8
Sample Name	E5_S4_6.8-8.8	E6_S1_1.6-2.6	E6_S2_2.6-4.6	E6_S3_4.6-6.6	E6_S4_6.6-8.6	E7_S1_0.5-2.0	E7_S2_4.5-6.5	E7_S5_4.5-10.5	E7_S3_6.5-8.5	E7_S4_8.5-10.5	E7_S6_10.5-12.5	E7_S7_12.5-14.5	E7_S8_14.5-16.5	E7_S9_16.5-18.5	E7_S10_18.5-20.5	E7_S11_20.5-22.5	E8_S01_1.0-3.0	E8_S02_5.0-7.0	E8_S12_5.0-15.0	E8_S3_7.0-9.0
Sample Date	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15L0041-10	15K1344-07	15K1344-08	15K1344-09	15K1344-10	134292-10 134292-50 134292-58	134292-11	134292-13 134292-51 134292-59 134569-2	134292-12	134292-14	134292-15	134292-16	134316-7	134316-8	134316-9	134316-10	133708-48 133708-64 133708-72 133941-1	133708-4	133708-53 133708-65 133708-73 133941-5	133708-5
Sample Depth (bgs)	6.8 - 8.8 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.5 - 2 (ft)	4.5 - 6.5 (ft)	4.5 - 10.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	1 - 3 (ft)	5 - 7 (ft)	5 - 15 (ft)	7 - 9 (ft)
Sample Elevation (ft BCB)	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 16.5	14 to 12	14 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.4 to 16.4	14.4 to 12.4	14.4 to 4.4	12.4 to 10.4
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	82	-	76	-	-	-	-	-	-	-	-	75	-	97	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	95	-	68	-	-	-	-	-	-	-	-	83	-	ND (38)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	ND (33)	-	ND (34)	-	-	-	-	-	-	-	-	ND (34)	-	ND (38)	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	1.9	-	3.5	-
Arsenic	-	-	-	-	-	ND (3.2)	-	3.7	-	-	-	-	-	-	-	-	3.4	-	7.5	-
Barium	-	-	-	-	-	29	-	95	-	-	-	-	-	-	-	-	49	-	140	-
Beryllium	-	-	-	-	-	ND (0.32)	-	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.39)	-
Cadmium	-	-	-	-	-	0.86	-	0.97	-	-	-	-	-	-	-	-	0.74	-	1.2	-
Chromium	-	-	-	-	-	19	-	11	-	-	-	-	-	-	-	-	16	-	17	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	33	-	240	-	-	-	-	-	-	-	-	270	-	390	-
Mercury	-	-	-	-	-	0.31	-	0.2	-	-	-	-	-	-	-	-	0.69	-	0.36	-
Nickel	-	-	-	-	-	12	-	11	-	-	-	-	-	-	-	-	10	-	25	-
Selenium	-	-	-	-	-	ND (5.4)	-	ND (5.9)	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.4)	-
Silver	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-
Thallium	-	-	-	-	-	ND (5.4)	-	ND (5.9)	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.4)	-
Vanadium	-	-	-	-	-	32	-	12	-	-	-	-	-	-	-	-	24	-	24	-
Zinc	-	-	-	-	-	68	-	250	-	-	-	-	-	-	-	-	75	-	150	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	ND (0.3)	-	4.2	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (0.1)	4.2	ND (0.11)	ND (0.11)	ND (0.12)	0.4	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
Aroclor-1254 (PCB-1254)	ND (0.1)	1.8	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	0.15	-	ND (0.053)	0.049	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	1.3	ND (0.04)	-	0.2
Aroclor-1260 (PCB-1260)	ND (0.1)	0.84	0.13	ND (0.11)	ND (0.12)	0.11	0.087	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	0.78	ND (0.04)	-	0.1
Aroclor-1262 (PCB-1262)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.1)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.043)	ND (0.046)	-	ND (0.053)	ND (0.048)	ND (0.058)	ND (0.059)	ND (0.053)	ND (0.06)	ND (0.052)	ND (0.056)	ND (0.44)	ND (0.04)	-	ND (0.04)
SUM of PCBs	ND	6.84	0.13	ND	ND	0.51	0.237	-	ND	0.049	ND	ND	ND	ND	ND	ND	2.08	ND	-	0.3
Other																				
Percent Solids, vol. (%wt)	95.2	87	87.5	90.3	79.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	6.9	-	7.4	-	-	-	-	-	-	-	-	8.5	-	7	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.5)	-	ND (1.6)	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	E8								E9						F10					
Location Name	E8	E8	E8	E8	E8	E8	E8	E8	E9	E9	E9	E9	E9	E9	F10	F10	F10	F10	F11	F11
Sample Name	E8_S4_9.0-11.0	E8_S5_11.0-13.0	E8_S6_13.0-15.0	E8_S7_15.0-17.0	E8_S8_17.0-19.0	E8_S9_19.0-21.0	E8_S10_21.0-23.0	E8_S11_23.0-25.0	E9_S1_4.8-9.3	E9_S3_4.8-5.3	E9_S4_5.3-7.3	E9_S5_7.3-9.3	E9_S2_9.3-11.3	E9_S6_9.3-11.3	F10_S1_5.9-9.4	F10_S2_5.9-7.4	F10_S3_7.4-9.4	F10_S4_9.4-11.4	F11_S1_0.6-5.8	F11_S2_7.6-9.6
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	01/06/2011	01/06/2011
Lab Sample ID	133708-6	133708-7	133708-8	133708-9	133708-10	133708-11	133708-12	133708-13	15B0357-01	15B0357-03	15B0357-04	15B0357-05	15B0357-02 15B0619-01	15B0357-06	15B0363-01	15B0363-02	15B0761-01	15B0761-02	139017-29 139017-35 139017-39	139017-16
Sample Depth (bgs)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4.8 - 9.3 (ft)	4.8 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)	5.9 - 9.4 (ft)	5.9 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	0.6 - 5.8 (ft)	7.6 - 9.6 (ft)
Sample Elevation (ft BCB)	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	16.4 to 11.9	16.4 to 15.9	15.9 to 13.9	13.9 to 11.9	11.9 to 9.9	11.9 to 9.9	15.5 to 12	15.5 to 14	14 to 12	12 to 10	21 to 15.8	14 to 12
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-	ND (0.0032)	-	-	-	ND (0.005)	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	0.0028	-	-	-	ND (0.005)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	0.0024	-	-	-	ND (0.005)	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Acetone	-	-	-	-	-	-	-	-	ND (0.054)	-	-	-	ND (0.078)	-	ND (0.079)	-	-	-	ND (0.2)	-
Benzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-	ND (0.0032)	-	-	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-	ND (0.0032)	-	-	-	ND (0.005)	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0031)	-	ND (0.0032)	-	-	-	ND (0.005)	-
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.0054)	-	-	-	ND (0.0078)	-	ND (0.0079)	-	-	-	ND (0.05)	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.0054)	-	-	-	ND (0.0078)	-	0.038	-	-	-	ND (0.005)	-
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
o-Xylene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Styrene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Toluene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	ND (0.0016)	-	ND (0.0016)	-	-	-	ND (0.005)	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	0.0432	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.26	-	0.67	-	-	-	ND (0.37)	-
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Acenaphthene	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.27	-	0.4	-	-	-	ND (0.37)	-
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.51	-	0.28	-	-	-	ND (0.37)	-
Acetophenone	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Aniline	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Anthracene	-	-	-	-	-	-	-	-	0.28	-	-	-	0.71	-	0.72	-	-	-	ND (0.37)	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.53	-	-	-	3.1	-	1	-	-	-	ND (0.37)	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.48	-	-	-	3.5	-	0.77	-	-	-	ND (0.37)	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	0.55	-	-	-	3.9	-	1	-	-	-	0.37	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	0.32	-	-	-	2.3	-	0.4	-	-	-	ND (0.37)	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	0.23	-	-	-	1.5	-	0.37	-	-	-	ND (0.37)	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	0.49	-	-	-	ND (0.37)	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Chrysene	-	-	-	-	-	-	-	-	0.52	-	-	-	3.1	-	1.1	-	-	-	ND (0.37)	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.55	-	ND (0.18)	-	-	-	ND (0.37)	-
Dibenzofuran	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	0.87	-	-	-	ND (0.37)	-
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.71)	-	-	-	ND (0.79)	-	ND (0.7)	-	-	-	ND (0.37)	-
Fluoranthene	-	-	-	-	-	-	-	-	1.2	-	-	-	6.5	-	2.7	-	-	-	0.57	-
Fluorene	-	-	-	-	-	-	-	-	0.2	-	-	-	0.36	-	0.48	-	-	-	ND (0.37)	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	0.39	-	-	-	3	-	0.51	-	-	-	ND (0.37)	-
Isophorone	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.18)	-	-	-	0.88	-	0.53	-	-	-	ND (0.37)	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Phenanthrene	-	-	-	-	-	-	-	-	1	-	-	-	4.1	-	3	-	-	-	0.43	-
Phenol	-	-	-	-	-	-	-	-	ND (0.36)	-	-	-	ND (0.4)	-	ND (0.36)	-	-	-	ND (0.37)	-
Pyrene	-	-	-	-	-	-	-	-	1.1	-	-	-	7.1	-	2.5	-	-	-	0.52	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	6.8	-	-	-	41.64	-	17.79	-	-	-	1.89	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	E8								E9						F10					
Location Name	E8	E8	E8	E8	E8	E8	E8	E8	E9	E9	E9	E9	E9	E9	F10	F10	F10	F10	F11	F11
Sample Name	E8_S4_9.0-11.0	E8_S5_11.0-13.0	E8_S6_13.0-15.0	E8_S7_15.0-17.0	E8_S8_17.0-19.0	E8_S9_19.0-21.0	E8_S10_21.0-23.0	E8_S11_23.0-25.0	E9_S1_4.8-9.3	E9_S3_4.8-5.3	E9_S4_5.3-7.3	E9_S5_7.3-9.3	E9_S2_9.3-11.3	E9_S6_9.3-11.3	F10_S1_5.9-9.4	F10_S2_5.9-7.4	F10_S3_7.4-9.4	F10_S4_9.4-11.4	F11_S1_0.6-5.8	F11_S2_7.6-9.6
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	02/11/2015	01/06/2011	01/06/2011
Lab Sample ID	133708-6	133708-7	133708-8	133708-9	133708-10	133708-11	133708-12	133708-13	15B0357-01	15B0357-03	15B0357-04	15B0357-05	15B0357-02 15B0619-01	15B0357-06	15B0363-01	15B0363-02	15B0761-01	15B0761-02	139017-29 139017-35 139017-39	139017-16
Sample Depth (bgs)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	4.8 - 9.3 (ft)	4.8 - 5.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	9.3 - 11.3 (ft)	5.9 - 9.4 (ft)	5.9 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	0.6 - 5.8 (ft)	7.6 - 9.6 (ft)
Sample Elevation (ft BCB)	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	16.4 to 11.9	16.4 to 15.9	15.9 to 13.9	13.9 to 11.9	11.9 to 9.9	11.9 to 9.9	15.5 to 12	15.5 to 14	14 to 12	12 to 10	21 to 15.8	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	180	-	-	-	670	-	350	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (24)	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
Arsenic	-	-	-	-	-	-	-	-	3.4	-	-	-	40	-	ND (2.7)	-	-	-	ND (3.5)	-
Barium	-	-	-	-	-	-	-	-	27	-	-	-	120	-	20	-	-	-	60	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-
Cadmium	-	-	-	-	-	-	-	-	0.29	-	-	-	1.9	-	0.31	-	-	-	1.1	-
Chromium	-	-	-	-	-	-	-	-	12	-	-	-	51	-	6.7	-	-	-	20	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	22	-	-	-	350	-	42	-	-	-	97	-
Mercury	-	-	-	-	-	-	-	-	0.065	-	-	-	0.34	-	0.31	-	-	-	0.27	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
Selenium	-	-	-	-	-	-	-	-	ND (5.7)	-	-	-	ND (6.2)	-	ND (5.5)	-	-	-	ND (5.8)	-
Silver	-	-	-	-	-	-	-	-	ND (0.57)	-	-	-	ND (0.62)	-	ND (0.55)	-	-	-	ND (1.2)	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.8)	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	0.38	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	3.4	2.3	2	-	ND (0.1)	-	0.13	ND (0.11)	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	2.3	1.5	1.7	-	ND (0.1)	-	ND (0.1)	0.11	ND (0.1)	0.99	ND (0.041)
Aroclor-1254 (PCB-1254)	ND (0.04)	0.068	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.7	0.56	0.77	-	ND (0.1)	-	0.14	0.18	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1260 (PCB-1260)	ND (0.04)	0.043	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)	-	0.25	0.18	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.047)	ND (0.041)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.56)	ND (0.54)	ND (0.55)	-	ND (0.1)	-	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.047)	ND (0.041)
SUM of PCBs	ND	0.111	ND	ND	ND	ND	ND	ND	-	6.4	4.36	4.47	-	ND	-	0.52	0.47	ND	0.99	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	93.7	89.3	87.4	88.5	85	96.9	95.5	93.8	91.6	96.4	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (4)	-	-	-	ND (4)	-	ND (3.9)	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (20)	-	ND (20)	-	-	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	93	-	-	-	81	-	99	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	NI	-	-	-	NI	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	11	-	-	-	7.6	-	10	-	-	-	7	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	F11										F12							
Location Name	F11	F11	F11	F11	F11	F11	F11	F11	F11	F11	F12	F12	F12	F13	F13	F13	F13	F13
Sample Name	F11_S7_7.6-17.6	F11_S3_9.6-11	F11_S4_11.6-13.6	F11_S5_13.6-15.6	F11_S6_15.6-17.6	F11_S8_17.6-19.6	F11_S9_19.6-21.6	F11_S10_21.6-23.6	F11_S11_23.6-25.6	F11_S12_25.6-27.6	F12_S1_8.8-9.7	F12_S2_8.8-9.7	F12_S3_9.7-11.7	F13_S1_0.5-7.4	F13_S2_8.8-9.8	F13_S5_8.8-13.8	F13_S3_9.8-11.8	F13_S4_11.8-13.8
Sample Date	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	02/23/2015	02/23/2015	02/23/2015	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010
Lab Sample ID	139017-33 139017-36 139017-40	139017-17	139017-18	139017-19	139017-20	139017-21	139017-22	139017-23	139017-8	139017-9	15B0742-01	15C0075-01	15C0075-02	138765-1	138765-2	138765-20 138765-24 138765-26 138973-1	138765-3	138765-4
Sample Depth (bgs)	7.6 - 17.6 (ft)	9.6 - 11 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	25.6 - 27.6 (ft)	8.8 - 9.7 (ft)	8.8 - 9.7 (ft)	9.7 - 11.7 (ft)	0.5 - 7.4 (ft)	8.8 - 9.8 (ft)	8.8 - 13.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)
Sample Elevation (ft BCB)	14 to 4	12 to 10.6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	12.9 to 12	12.9 to 12	12 to 10	21.3 to 14.4	13 to 12	13 to 8	12 to 10	10 to 8
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	-	ND (0.005)	-	-
1,2,4-Trichlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	-	ND (0.005)	-	-
1,2,4-Trimethylbenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
1,2-Dichlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
1,3,5-Trichlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-
1,3,5-Trimethylbenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
1,3-Dichlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
1,4-Dichlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Acetone	ND (0.21)	-	-	-	-	-	-	-	-	-	ND (0.057)	-	-	-	-	ND (0.2)	-	-
Benzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Chlorobenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Chloroform (Trichloromethane)	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	-	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Ethylbenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Isopropylbenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
m,p-Xylenes	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	-	ND (0.005)	-	-
Methyl Tert Butyl Ether	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	-	-	-	ND (0.005)	-	-
Methylene chloride	ND (0.052)	-	-	-	-	-	-	-	-	-	ND (0.0057)	-	-	-	-	ND (0.05)	-	-
Naphthalene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0057)	-	-	-	-	0.011	-	-
n-Propylbenzene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
o-Xylene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Styrene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Tetrachloroethene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Toluene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
Trichloroethene	ND (0.0052)	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	-	-	ND (0.005)	-	-
SUM of Volatile Organic Compounds	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	0.011	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
1,2-Dichlorobenzene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
1,3-Dichlorobenzene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
1,4-Dichlorobenzene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
2,4-Dimethylphenol	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
2,4-Dinitrotoluene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
2,6-Dinitrotoluene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
2-Chloronaphthalene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
2-Methylnaphthalene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	ND (0.35)	-	-
2-Methylphenol	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
3&4-Methylphenol	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Acenaphthene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	0.84	-	-
Acenaphthylene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	ND (0.35)	-	-
Acetophenone	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Aniline	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Anthracene	0.68	-	-	-	-	-	-	-	-	-	0.28	-	-	-	-	1.7	-	-
Benzo(a)anthracene	3	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	2.3	-	-
Benzo(a)pyrene	3.4	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-	1.7	-	-
Benzo(b)fluoranthene	4.3	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	2.1	-	-
Benzo(g,h,i)perylene	2	-	-	-	-	-	-	-	-	-	0.24	-	-	-	-	0.66	-	-
Benzo(k)fluoranthene	1.6	-	-	-	-	-	-	-	-	-	0.24	-	-	-	-	0.85	-	-
bis(2-Ethylhexyl)phthalate	ND (0.37)	-	-	-	-	-	-	-	-	-	0.42	-	-	-	-	3.6	-	-
Butyl benzylphthalate	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	1.2	-	-
Carbazole	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.98	-	-
Chrysene	3.2	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	2.2	-	-
Dibenz(a,h)anthracene	0.61	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	ND (0.35)	-	-
Dibenzofuran	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	0.65	-	-
Diethyl phthalate	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Di-n-butylphthalate	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Di-n-octyl phthalate	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	-	ND (0.35)	-	-
Fluoranthene	3.8	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	5.2	-	-
Fluorene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	0.94	-	-
Indeno(1,2,3-cd)pyrene	2.2	-	-	-	-	-	-	-	-	-	0.32	-	-	-	-	0.79	-	-
Isophorone	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Naphthalene	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	0.71	-	-
N-Nitrosodiphenylamine	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	-
Phenanthrene	2.1	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	5.8	-	-
Phenol	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	ND (0.35)	-	-
Pyrene	4.3	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	4.3	-	-
SUM of Semi-Volatile Organic Compounds	31.19	-	-	-	-	-	-	-	-	-	6.88	-	-	-	-	36.52	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	F11										F12							
Location Name	F11	F11	F11	F11	F11	F11	F11	F11	F11	F11	F12	F12	F12	F13	F13	F13	F13	F13
Sample Name	F11_S7_7.6-17.6	F11_S3_9.6-11	F11_S4_11.6-13.6	F11_S5_13.6-15.6	F11_S6_15.6-17.6	F11_S8_17.6-19.6	F11_S9_19.6-21.6	F11_S10_21.6-23.6	F11_S11_23.6-25.6	F11_S12_25.6-27.6	F12_S1_8.8-9.7	F12_S2_8.8-9.7	F12_S3_9.7-11.7	F13_S1_0.5-7.4	F13_S2_8.8-9.8	F13_S5_8.8-13.8	F13_S3_9.8-11.8	F13_S4_11.8-13.8
Sample Date	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	02/23/2015	02/23/2015	02/23/2015	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010
Lab Sample ID	139017-33 139017-36 139017-40	139017-17	139017-18	139017-19	139017-20	139017-21	139017-22	139017-23	139017-8	139017-9	15B0742-01	15C0075-01	15C0075-02	138765-1	138765-2	138765-20 138765-24 138765-26 138973-1	138765-3	138765-4
Sample Depth (bgs)	7.6 - 17.6 (ft)	9.6 - 11 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	25.6 - 27.6 (ft)	8.8 - 9.7 (ft)	8.8 - 9.7 (ft)	9.7 - 11.7 (ft)	0.5 - 7.4 (ft)	8.8 - 9.8 (ft)	8.8 - 13.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)
Sample Elevation (ft BCB)	14 to 4	12 to 10.6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	12.9 to 12	12.9 to 12	12 to 10	21.3 to 14.4	13 to 12	13 to 8	12 to 10	10 to 8
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	ND (23)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (23)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (21)	-	-
Inorganic Compounds (mg/kg)																		
Antimony	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-
Arsenic	ND (3.5)	-	-	-	-	-	-	-	-	-	ND (2.8)	-	-	-	-	ND (3.3)	-	-
Barium	15	-	-	-	-	-	-	-	-	-	17	-	-	-	-	63	-	-
Beryllium	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	-
Cadmium	ND (0.58)	-	-	-	-	-	-	-	-	-	ND (0.28)	-	-	-	-	1.6	-	-
Chromium	6.3	-	-	-	-	-	-	-	-	-	6.6	-	-	-	-	18	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	13	-	-	-	-	-	-	-	-	-	56	-	-	-	-	250	-	-
Mercury	0.38	-	-	-	-	-	-	-	-	-	0.033	-	-	-	-	0.46	-	-
Nickel	ND (5.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-
Selenium	ND (5.8)	-	-	-	-	-	-	-	-	-	ND (5.6)	-	-	-	-	ND (5.5)	-	-
Silver	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (0.56)	-	-	-	-	ND (1.1)	-	-
Thallium	ND (5.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-
Vanadium	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-
Zinc	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1221 (PCB-1221)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1232 (PCB-1232)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1242 (PCB-1242)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.043)	0.52	-	ND (0.044)	ND (0.049)
Aroclor-1248 (PCB-1248)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	1.3	0.55	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1254 (PCB-1254)	-	21	0.21	ND (0.056)	0.11	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	1.7	0.98	0.3	ND (0.046)	-	2	0.29
Aroclor-1260 (PCB-1260)	-	15	0.2	ND (0.056)	0.069	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	1.2	0.87	0.16	0.6	-	1.1	0.15
Aroclor-1262 (PCB-1262)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1268 (PCB-1268)	-	ND (4.4)	ND (0.047)	ND (0.056)	ND (0.048)	ND (0.055)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.063)	-	ND (0.43)	ND (0.46)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
SUM of PCBs	-	36	0.41	ND	0.179	ND	ND	ND	ND	ND	-	4.2	2.4	0.46	1.12	-	3.1	0.44
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	90.2	92.3	85.4	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	7.5	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	9.2	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	F13						F14				F15			F3				F	
Location Name	F13	F13	F13	F13	F13	F13	F14	F14	F14	F14	F15	F15	F15	F3	F3	F3	F3	F4	F4
Sample Name	F13_S6_13.8-15.8	F13_S9_13.8-18.8	X13_S6_13.8-15.8	F13_S7_15.8-17.8	F13_S8_17.8-19.8	X11_S8_17.6-19.6	F14_S1_0.7-7.0	Z14_S1_0.7-7.0	F14_S5_13.7-15.7	F14_S6_15.7-17.7	F15_S1_0.5-5.4	F15_S2_16.5-18.5	F15_S3_16.5-18.5	F3_S1_0-1.4	F3_S2_1.4-3.4	F3_S3_3.4-5.4	F3-S4_5.4-7.4	F4_S1_0.9-1.9	F4_S2_1.9-3.9
Sample Date	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/06/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	12/22/2010	12/23/2010	12/23/2010	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015
Lab Sample ID	138765-5	138765-23 138765-25 138765-27 138973-2	138765-8	138765-6	138765-7	139017-10	139039-1	139039-7	139039-5	139039-6	138765-9	138796-6	138796-21 138796-26 138796-31 138974-1	15K0898-14	15K0898-15	15K0898-16	15K0898-17	15K0894-05	15K0894-06
Sample Depth (bgs)	13.8 - 15.8 (ft)	13.8 - 18.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	17.6 - 19.6 (ft)	0.7 - 7 (ft)	0.7 - 7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	0.5 - 5.4 (ft)	16.5 - 18.5 (ft)	16.5 - 18.5 (ft)	0.1 - 1.4 (ft)	1.4 - 2.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)
Sample Elevation (ft BCB)	8 to 6	8 to 3	8 to 6	6 to 4	4 to 2	4.2 to 2.2	21 to 14.7	21 to 14.7	8 to 6	6 to 4	21 to 16.1	5 to 3	5 to 3	17.3 to 16	16 to 15	14 to 12	12 to 10	17 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Acetone	-	ND (0.24)	-	-	-	-	-	-	-	-	-	-	ND (0.27)	-	-	-	-	-	-
Benzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Chlorobenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Ethylbenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Isopropylbenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
m,p-Xylenes	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Methylene chloride	-	ND (0.061)	-	-	-	-	-	-	-	-	-	-	ND (0.068)	-	-	-	-	-	-
Naphthalene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
n-Propylbenzene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
o-Xylene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Styrene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Tetrachloroethene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Toluene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
Trichloroethene	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
2-Methylnaphthalene	-	0.59	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
2-Methylphenol	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
3&4-Methylphenol	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Acenaphthene	-	0.99	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Acenaphthylene	-	0.69	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Acetophenone	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Aniline	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Anthracene	-	2.6	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-
Benzo(a)anthracene	-	8	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-
Benzo(a)pyrene	-	8.3	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-
Benzo(b)fluoranthene	-	11	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	1.5	-	-	-	-	-	-	-	-	-	-	0.56	-	-	-	-	-	-
Benzo(k)fluoranthene	-	4.1	-	-	-	-	-	-	-	-	-	-	0.85	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Carbazole	-	1.1	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Chrysene	-	8.5	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	0.69	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Dibenzofuran	-	1.2	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Diethyl phthalate	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Fluoranthene	-	11	-	-	-	-	-	-	-	-	-	-	4.5	-	-	-	-	-	-
Fluorene	-	1.1	-	-	-	-	-	-	-	-	-	-	0.51	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	2.4	-	-	-	-	-	-	-	-	-	-	0.71	-	-	-	-	-	-
Isophorone	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Naphthalene	-	1.6	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Phenanthrene	-	8.3	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-
Phenol	-	ND (0.46)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-
Pyrene	-	10	-	-	-	-	-	-	-	-	-	-	8.6	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	83.66	-	-	-	-	-	-	-	-	-	-	33.13	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	F13						F14				F15			F3				F	
Location Name	F13	F13	F13	F13	F13	F13	F14	F14	F14	F14	F15	F15	F15	F3	F3	F3	F3	F4	F4
Sample Name	F13_S6_13.8-15.8	F13_S9_13.8-18.8	X13_S6_13.8-15.8	F13_S7_15.8-17.8	F13_S8_17.8-19.8	X11_S8_17.6-19.6	F14_S1_0.7-7.0	Z14_S1_0.7-7.0	F14_S5_13.7-15.7	F14_S6_15.7-17.7	F15_S1_0.5-5.4	F15_S2_16.5-18.5	F15_S3_16.5-18.5	F3_S1_0-1.4	F3_S2_1.4-3.4	F3_S3_3.4-5.4	F3-S4_5.4-7.4	F4_S1_0.9-1.9	F4_S2_1.9-3.9
Sample Date	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/06/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	12/22/2010	12/23/2010	12/23/2010	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015
Lab Sample ID	138765-5	138765-23 138765-25 138765-27 138973-2	138765-8	138765-6	138765-7	139017-10	139039-1	139039-7	139039-5	139039-6	138765-9	138796-6	138796-21 138796-26 138796-31 138974-1	15K0898-14	15K0898-15	15K0898-16	15K0898-17	15K0894-05	15K0894-06
Sample Depth (bgs)	13.8 - 15.8 (ft)	13.8 - 18.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	17.6 - 19.6 (ft)	0.7 - 7 (ft)	0.7 - 7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	0.5 - 5.4 (ft)	16.5 - 18.5 (ft)	16.5 - 18.5 (ft)	0.1 - 1.4 (ft)	1.4 - 2.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)
Sample Elevation (ft BCB)	8 to 6	8 to 3	8 to 6	6 to 4	4 to 2	4.2 to 2.2	21 to 14.7	21 to 14.7	8 to 6	6 to 4	21 to 16.1	5 to 3	5 to 3	17.3 to 16	16 to 15	14 to 12	12 to 10	17 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	140	-	-	-	-	-	-	-	-	-	-	190	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	52	-	-	-	-	-	-	-	-	-	-	88	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (27)	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	1.2	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-
Arsenic	-	9.2	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-
Barium	-	230	-	-	-	-	-	-	-	-	-	-	210	-	-	-	-	-	-
Beryllium	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-
Cadmium	-	0.69	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-
Chromium	-	11	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	450	-	-	-	-	-	-	-	-	-	-	430	-	-	-	-	-	-
Mercury	-	4	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-
Nickel	-	14	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
Selenium	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	ND (6.8)	-	-	-	-	-	-
Silver	-	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-
Thallium	-	ND (5.6)	-	-	-	-	-	-	-	-	-	-	ND (6.8)	-	-	-	-	-	-
Vanadium	-	25	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-
Zinc	-	250	-	-	-	-	-	-	-	-	-	-	1500	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	1.3	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-
Mercury	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)
Aroclor-1221 (PCB-1221)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)
Aroclor-1232 (PCB-1232)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)
Aroclor-1242 (PCB-1242)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)
Aroclor-1248 (PCB-1248)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	2.1	3.6	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	0.41	ND (0.12)	ND (0.11)	ND (0.13)	0.66	1.1
Aroclor-1254 (PCB-1254)	ND (0.05)	-	0.25	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	3.1	17	0.36	ND (0.06)	-	1.1	0.16	0.17	ND (0.13)	0.31	1.2
Aroclor-1260 (PCB-1260)	ND (0.05)	-	0.14	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	0.33	1.7	8.3	0.24	ND (0.06)	-	0.43	ND (0.12)	0.14	ND (0.13)	0.15	0.43
Aroclor-1262 (PCB-1262)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)
Aroclor-1268 (PCB-1268)	ND (0.05)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.054)	ND (0.46)	ND (0.045)	ND (0.052)	ND (2.8)	ND (0.044)	ND (0.06)	-	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.22)
SUM of PCBs	ND	-	0.39	ND	ND	ND	2.1	3.93	4.8	25.3	0.6	ND	-	1.94	0.16	0.31	ND	1.12	2.73
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	93.9	84.5	90.1	76.9	86.1	87
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	8.2	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (2.1)	-	-	-	-	-	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	4		F5				F6				F7									
Location Name	F4	F4	F5	F5	F5	F5	F6	F6	F6	F6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7
Sample Name	F4_S3_3.9-5.9	F4_S4_5.9-7.9	F5_S1_1.2-2.2	F5_S2_2.2-4.2	F5_S3_4.2-6.2	F5_S4_6.2-8.2	F6_S1_1.1-2.1	F6_S2_2.1-4.1	F6_S3_4.1-6.1	F6_S4_6.1-8.1	F7_S1_0-4.4	F7_S2_4.4-6.4	F7_S6_4.4-14.4	F7_S3_6.4-8.4	F7_S4_8.4-10.4	F7_S5_10.4-12.4	F7_S7_12.4-14.4	F7_S8_14.4-16.4	F7_S9_16.4-18.4	F7_S10_18.4-20.4
Sample Date	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15K0894-07	15K0894-08	15L0041-13	15L0041-14	15L0041-15	15L0041-16	15K1344-13	15K1344-14	15K1344-15	15K1344-16	133708-49 133708-59 133708-67 133941-2	133708-23	133708-55 133708-60 133708-68	133708-24	133708-25	133708-26	133708-27	133708-28	133708-29	133708-30
Sample Depth (bgs)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18.4 to 14	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.2)	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.053)	-	ND (0.05)	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	0.068	-	ND (0.005)	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	0.068	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	0.41	-	ND (0.37)	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	1.4	-	ND (0.37)	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	1.3	-	ND (0.37)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	1.6	-	ND (0.37)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	0.98	-	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.52	-	ND (0.37)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	1.4	-	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	2.8	-	ND (0.37)	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	1.1	-	ND (0.37)	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	1.9	-	ND (0.37)	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	2.6	-	ND (0.37)	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	16.01	-	ND	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	4		F5				F6				F7									
Location Name	F4	F4	F5	F5	F5	F5	F6	F6	F6	F6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7
Sample Name	F4_S3_3.9-5.9	F4_S4_5.9-7.9	F5_S1_1.2-2.2	F5_S2_2.2-4.2	F5_S3_4.2-6.2	F5_S4_6.2-8.2	F6_S1_1.1-2.1	F6_S2_2.1-4.1	F6_S3_4.1-6.1	F6_S4_6.1-8.1	F7_S1_0-4.4	F7_S2_4.4-6.4	F7_S6_4.4-14.4	F7_S3_6.4-8.4	F7_S4_8.4-10.4	F7_S5_10.4-12.4	F7_S7_12.4-14.4	F7_S8_14.4-16.4	F7_S9_16.4-18.4	F7_S10_18.4-20.4
Sample Date	11/19/2015	11/19/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15K0894-07	15K0894-08	15L0041-13	15L0041-14	15L0041-15	15L0041-16	15K1344-13	15K1344-14	15K1344-15	15K1344-16	133708-49 133708-59 133708-67 133941-2	133708-23	133708-55 133708-60 133708-68	133708-24	133708-25	133708-26	133708-27	133708-28	133708-29	133708-30
Sample Depth (bgs)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18.4 to 14	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	340	-	ND (33)	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	64	-	ND (33)	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (34)	-	ND (33)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	5	-	ND (1.2)	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	ND (3.6)	-	ND (3.5)	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	73	-	13	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	2.5	-	ND (0.59)	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	25	-	17	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	450	-	86	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	0.57	-	0.87	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	18	-	14	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (5.9)	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.2)	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (5.9)	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	35	-	9.6	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	330	-	110	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.04)	-	0.044	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (0.1)	7.9	2.6	0.36	ND (0.11)	2.2	2.7	ND (0.11)	ND (0.12)	10	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	ND (0.11)	ND (0.1)	2	1	0.44	ND (0.11)	2.4	0.94	0.18	ND (0.12)	ND (1.1)	0.055	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.047	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	0.36	ND (0.11)	4.3	ND (0.57)	0.48	ND (0.12)	4.7	0.053	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.049	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.1)	ND (1.1)	ND (0.58)	ND (0.1)	ND (0.11)	ND (0.59)	ND (0.57)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	ND	ND	9.9	3.6	1.16	ND	8.9	3.64	0.66	ND	14.7	0.108	-	0.044	ND	ND	ND	0.096	ND	ND
Other																				
Percent Solids, vol. (%wt)	87.7	95.6	89	84.8	93.4	86.5	84.4	86.9	88.1	81.5	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	7.2	-	7.2	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	1.3	-	ND (1.3)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	1.6	-	ND (1.3)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	1.5	-	ND (1.3)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			F8												F9				
Location Name	F7	F7	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F9	F9	F9	F9	F9
Sample Name	F7_S11_20.4-22.4	F7_S12_22.4-24.4	F8_S1_0.5-2.0	F8_S2_4.0-6.0	F8_S5_4.0-10.0	F8_S3_6.0-8.0	F8_S4_8.0-10.0	F8_S6_10.0-12.0	F8_S7_12.0-14.0	F8_S8_14.0-16.0	F8_S9_16.0-18.0	F8_S10_18.0-20.0	F8_S11_20.0-22.0	F8_S12_22.0-24.0	F9_S1_4.3-5.3	F9_S2_6.3-7.3	F9_S3_7.3-7.9	F9_S4_9.3-11.3	F9_S5_11.3-13.3
Sample Date	06/07/2010	06/07/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
Lab Sample ID	133708-31	133708-32	134316-33 134316-40 134316-47	134316-11	134316-34 134316-41 134316-48 134476-1	134316-12	134316-13	134316-14	134316-1	134316-2	134316-3	134316-4	134316-5	134316-6	138629-1	138629-2	138629-3	138629-4	138629-5
Sample Depth (bgs)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	0.5 - 2 (ft)	4 - 6 (ft)	4 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4.3 - 5.3 (ft)	6.3 - 7.3 (ft)	7.3 - 7.9 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)
Sample Elevation (ft BCB)	-2 to -4	-4 to -6	18.4 to 16.9	14.9 to 12.9	14.9 to 8.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	17 to 16	15 to 14	14 to 13.4	12 to 10	10 to 8
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	ND (0.2)	-	ND (0.28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	ND (0.05)	-	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	ND (0.74)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	ND (0.36)	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	0.95	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	0.9	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	1.5	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	ND (0.36)	-	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	0.55	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	1.1	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	1.6	-	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	ND (0.36)	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	ND (0.36)	-	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	0.87	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	ND (0.36)	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	1.5	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	8.97	-	26.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			F8												F9				
Location Name	F7	F7	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F8	F9	F9	F9	F9	F9
Sample Name	F7_S11_20.4-22.4	F7_S12_22.4-24.4	F8_S1_0.5-2.0	F8_S2_4.0-6.0	F8_S5_4.0-10.0	F8_S3_6.0-8.0	F8_S4_8.0-10.0	F8_S6_10.0-12.0	F8_S7_12.0-14.0	F8_S8_14.0-16.0	F8_S9_16.0-18.0	F8_S10_18.0-20.0	F8_S11_20.0-22.0	F8_S12_22.0-24.0	F9_S1_4.3-5.3	F9_S2_6.3-7.3	F9_S3_7.3-7.9	F9_S4_9.3-11.3	F9_S5_11.3-13.3
Sample Date	06/07/2010	06/07/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010	12/15/2010
Lab Sample ID	133708-31	133708-32	134316-33 134316-40 134316-47	134316-11	134316-34 134316-41 134316-48 134476-1	134316-12	134316-13	134316-14	134316-1	134316-2	134316-3	134316-4	134316-5	134316-6	138629-1	138629-2	138629-3	138629-4	138629-5
Sample Depth (bgs)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	0.5 - 2 (ft)	4 - 6 (ft)	4 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4.3 - 5.3 (ft)	6.3 - 7.3 (ft)	7.3 - 7.9 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)
Sample Elevation (ft BCB)	-2 to -4	-4 to -6	18.4 to 16.9	14.9 to 12.9	14.9 to 8.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	17 to 16	15 to 14	14 to 13.4	12 to 10	10 to 8
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	54	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	77	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (34)	-	ND (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	1.5	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	ND (3.5)	-	ND (3.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	61	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	ND (0.35)	-	ND (0.31)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	1.1	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	24	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	78	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	0.16	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	15	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (5.8)	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	ND (5.8)	-	ND (5.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	31	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	77	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	0.58	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	0.9	ND (0.042)	0.93	ND (2.2)	ND (0.048)
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.044)	6.4	0.47	0.062	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	12	1.3
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	0.086	5.4	0.36	0.056	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	0.15	ND (0.042)	0.19	7.6	0.74
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.044)	ND (0.99)	ND (0.042)	ND (0.047)	ND (0.046)	ND (0.05)	ND (0.044)	ND (0.11)	ND (0.061)	ND (0.061)	ND (0.053)	ND (0.062)	ND (0.045)	ND (0.042)	ND (0.042)	ND (2.2)	ND (0.048)
SUM of PCBs	ND	ND	0.666	11.8	0.83	0.118	ND	ND	ND	ND	ND	ND	ND	ND	1.05	ND	1.12	19.6	2.04
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	7.3	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G10											G11			G12			G13	
Location Name	G10	G10	G10	G10	G10	G10	G10	G10	G10	G10	G10	G11	G11	G11	G12	G12	G12	G13	G13
Sample Name	G10_S1_0.3-4.0	G10_S2_7.3-9.3	G10_S7_7.3-17.3	G10_S3_9.3-11.3	G10_S4_11.3-13.3	G10_S5_13.3-15.3	G10_S6_15.3-17.3	G10_S8_17.3-19.3	G10_S9_19.3-21.3	G10_S10_21.3-23.3	G10_S11_23.3-25.3	G11_S1_7.3-9.5	G11_S2_7.3-9.5	G11_S3_9.5-11.5	G12_S1_7.0-9.6	G12_S2_7.0-9.6	G12_S3_9.6-11.6	G13_S1_8.0-9.6	G13_S2_8.0-9.6
Sample Date	06/10/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	02/11/2015	02/11/2015	02/11/2015	02/23/2015	02/23/2015	02/23/2015	02/18/2015	02/18/2015
Lab Sample ID	133820-39 133820-50 133820-58	133875-10	133875-55 133875-61 133875-70 134056-4	133875-11	133875-12	133875-13	133875-14	133875-15	133875-16	133875-17	133875-18	15B0361-01	15B0762-01	15B0762-02	15B0741-01	15C0074-01	15C0074-02	15B0585-01 15B0804-01	15C0018-01
Sample Depth (bgs)	0.3 - 4 (ft)	7.3 - 9.3 (ft)	7.3 - 17.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	7.3 - 9.5 (ft)	7.3 - 9.5 (ft)	9.5 - 11.5 (ft)	7 - 9.6 (ft)	7 - 9.6 (ft)	9.6 - 11.6 (ft)	8 - 9.6 (ft)	8 - 9.6 (ft)
Sample Elevation (ft BCB)	21 to 17.3	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.2 to 12	14.2 to 12	12 to 10	14.6 to 12	14.6 to 12	12 to 10	13.6 to 12	13.6 to 12
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-
1,2,4-Trichlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0026)	-	-	ND (0.0025)	-
1,2,4-Trimethylbenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
1,2-Dichlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
1,3,5-Trichlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
1,3-Dichlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
1,4-Dichlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Acetone	ND (0.23)	-	ND (0.22)	-	-	-	-	-	-	-	-	ND (0.056)	-	-	ND (0.065)	-	-	ND (0.063)	-
Benzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	0.0025	-
Chlorobenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Chloroform (Trichloromethane)	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-
Cymene (p-Isopropyltoluene)	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Ethylbenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Isopropylbenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
m,p-Xylenes	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-
Methyl Tert Butyl Ether	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.0026)	-	-	ND (0.0025)	-
Methylene chloride	ND (0.058)	-	ND (0.056)	-	-	-	-	-	-	-	-	ND (0.0056)	-	-	ND (0.0065)	-	-	ND (0.0063)	-
Naphthalene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0056)	-	-	0.013	-	-	ND (0.0063)	-
n-Propylbenzene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
o-Xylene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Styrene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Tetrachloroethene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
Toluene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	0.0032	-
Trichloroethene	ND (0.006)	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.0013)	-	-	ND (0.0013)	-
SUM of Volatile Organic Compounds	ND	-	ND	-	-	-	-	-	-	-	-	ND	-	-	0.013	-	-	0.0057	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
1,2-Dichlorobenzene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
1,3-Dichlorobenzene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
1,4-Dichlorobenzene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
2,4-Dimethylphenol	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
2,4-Dinitrotoluene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	0.85	-
2,6-Dinitrotoluene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
2-Chloronaphthalene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
2-Methylnaphthalene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	0.22	-	-	ND (0.19)	-	-	0.23	-
2-Methylphenol	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
3&4-Methylphenol	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Acenaphthene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	0.3	-	-	ND (0.19)	-	-	1.3	-
Acenaphthylene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)	-	-	ND (0.18)	-
Acetophenone	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Aniline	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Anthracene	0.39	-	ND (0.4)	-	-	-	-	-	-	-	-	0.76	-	-	0.35	-	-	1.8	-
Benzo(a)anthracene	1.2	-	0.82	-	-	-	-	-	-	-	-	1.3	-	-	0.63	-	-	3.9	-
Benzo(a)pyrene	1	-	0.98	-	-	-	-	-	-	-	-	1.1	-	-	0.53	-	-	3.1	-
Benzo(b)fluoranthene	1.6	-	1.4	-	-	-	-	-	-	-	-	1.3	-	-	0.68	-	-	4.1	-
Benzo(g,h,i)perylene	ND (0.35)	-	0.47	-	-	-	-	-	-	-	-	0.5	-	-	0.28	-	-	1.9	-
Benzo(k)fluoranthene	0.59	-	0.47	-	-	-	-	-	-	-	-	0.48	-	-	0.28	-	-	1.6	-
bis(2-Ethylhexyl)phthalate	0.48	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	0.4	-	-	ND (0.36)	-
Butyl benzylphthalate	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Carbazole	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	1.3	-	0.93	-	-	-	-	-	-	-	-	1.3	-	-	0.65	-	-	3.4	-
Dibenz(a,h)anthracene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.19)	-	-	0.54	-
Dibenzofuran	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	0.58	-
Diethyl phthalate	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Di-n-butylphthalate	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Di-n-octyl phthalate	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.72)	-	-	ND (0.74)	-	-	ND (0.72)	-
Fluoranthene	2.1	-	1.4	-	-	-	-	-	-	-	-	3	-	-	1.5	-	-	10	-
Fluorene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	0.41	-	-	0.43	-	-	0.85	-
Indeno(1,2,3-cd)pyrene	0.41	-	0.51	-	-	-	-	-	-	-	-	0.67	-	-	0.35	-	-	2.3	-
Isophorone	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Naphthalene	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	0.44	-	-	0.46	-	-	0.56	-
N-Nitrosodiphenylamine	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1.3	-	0.76	-	-	-	-	-	-	-	-	2.7	-	-	1.9	-	-	6.8	-
Phenol	ND (0.35)	-	ND (0.4)	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	-	ND (0.36)	-
Pyrene	2	-	1.5	-	-	-	-	-	-	-	-	3.1	-	-	1.6	-	-	8	-
SUM of Semi-Volatile Organic Compounds	12.37	-	9.24	-	-	-	-	-	-	-	-	17.58	-	-	10.04	-	-	51.81	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G10											G11			G12			G13	
Location Name	G10	G10	G10	G10	G10	G10	G10	G10	G10	G10	G10	G11	G11	G11	G12	G12	G12	G13	G13
Sample Name	G10_S1_0.3-4.0	G10_S2_7.3-9.3	G10_S7_7.3-17.3	G10_S3_9.3-11.3	G10_S4_11.3-13.3	G10_S5_13.3-15.3	G10_S6_15.3-17.3	G10_S8_17.3-19.3	G10_S9_19.3-21.3	G10_S10_21.3-23.3	G10_S11_23.3-25.3	G11_S1_7.3-9.5	G11_S2_7.3-9.5	G11_S3_9.5-11.5	G12_S1_7.0-9.6	G12_S2_7.0-9.6	G12_S3_9.6-11.6	G13_S1_8.0-9.6	G13_S2_8.0-9.6
Sample Date	06/10/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	02/11/2015	02/11/2015	02/11/2015	02/23/2015	02/23/2015	02/23/2015	02/18/2015	02/18/2015
Lab Sample ID	133820-39 133820-50 133820-58	133875-10	133875-55 133875-61 133875-70 134056-4	133875-11	133875-12	133875-13	133875-14	133875-15	133875-16	133875-17	133875-18	15B0361-01	15B0762-01	15B0762-02	15B0741-01	15C0074-01	15C0074-02	15B0585-01 15B0804-01	15C0018-01
Sample Depth (bgs)	0.3 - 4 (ft)	7.3 - 9.3 (ft)	7.3 - 17.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	7.3 - 9.5 (ft)	7.3 - 9.5 (ft)	9.5 - 11.5 (ft)	7 - 9.6 (ft)	7 - 9.6 (ft)	9.6 - 11.6 (ft)	8 - 9.6 (ft)	8 - 9.6 (ft)
Sample Elevation (ft BCB)	21 to 17.3	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	14.2 to 12	14.2 to 12	12 to 10	14.6 to 12	14.6 to 12	12 to 10	13.6 to 12	13.6 to 12
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	620	-	-	1100	-	-	470	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	140	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	120	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (33)	-	ND (36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	2.5	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	ND (3.2)	-	ND (3.9)	-	-	-	-	-	-	-	-	ND (2.7)	-	-	ND (2.8)	-	-	3.4	-
Barium	53	-	48	-	-	-	-	-	-	-	-	36	-	-	23	-	-	45	-
Beryllium	ND (0.32)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.79	-	ND (0.65)	-	-	-	-	-	-	-	-	0.39	-	-	ND (0.28)	-	-	0.48	-
Chromium	12	-	17	-	-	-	-	-	-	-	-	18	-	-	9.3	-	-	12	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	85	-	570	-	-	-	-	-	-	-	-	52	-	-	75	-	-	160	-
Mercury	0.82	-	0.34	-	-	-	-	-	-	-	-	0.28	-	-	0.31	-	-	0.22	-
Nickel	9.4	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	ND (5.4)	-	ND (6.5)	-	-	-	-	-	-	-	-	ND (5.4)	-	-	ND (5.6)	-	-	ND (5.3)	-
Silver	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	ND (0.54)	-	-	ND (0.56)	-	-	ND (0.53)	-
Thallium	ND (5.4)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	22	-	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	79	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.044)	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)
Aroclor-1221 (PCB-1221)	ND (0.044)	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)
Aroclor-1232 (PCB-1232)	ND (0.044)	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)
Aroclor-1242 (PCB-1242)	2.2	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)
Aroclor-1248 (PCB-1248)	ND (0.044)	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	0.44	2.5	-	3.4	5.1	-	1.4
Aroclor-1254 (PCB-1254)	ND (0.044)	0.68	-	ND (0.049)	2	ND (0.052)	0.056	0.24	ND (0.05)	ND (0.051)	ND (0.056)	-	0.31	3.1	-	4.2	8.9	-	1.8
Aroclor-1260 (PCB-1260)	0.29	0.32	-	ND (0.049)	0.97	ND (0.052)	ND (0.052)	0.12	ND (0.05)	ND (0.051)	ND (0.056)	-	0.15	2.1	-	2.3	9.4	-	0.88
Aroclor-1262 (PCB-1262)	ND (0.044)	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)
Aroclor-1268 (PCB-1268)	ND (0.044)	ND (0.046)	-	ND (0.049)	ND (0.049)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.05)	ND (0.051)	ND (0.056)	-	ND (0.11)	ND (0.5)	-	ND (0.54)	ND (2.4)	-	ND (0.43)
SUM of PCBs	2.49	1	-	ND	2.97	ND	0.056	0.36	ND	ND	ND	-	0.9	7.7	-	9.9	23.4	-	4.08
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	92.7	88.6	95.3	91	92.7	82.3	92.7	93.7
Ignitability (Flashpoint) (Deg F)	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (3.9)	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	ND (19)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	97	-	-	81	-	-	92	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	NI	-
pH Corrosivity (pH units)	8.7	-	7.2	-	-	-	-	-	-	-	-	10	-	-	11	-	-	11	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.5)	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.5)	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.5)	-	ND (1.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G14								G15									
Location Name	G14	G14	G14	G14	G14	G14	G14	G14	G15	G15	G15	G15	G15	G15	G15	G15	G15A	G15A
Sample Name	G14_S1_0.5-7	G14_S2_7.5-9.5	G14_S3_9.5-11.5	G14_S4_11.5-13.5	G14_S5_13.5-15.5	G14_S7_13.5-19.5	G14_S6_15.5-17.5	G14_S8_17.5-19.5	G15_S1_0.5-1.2	G15_S2_1.7-5.5	G15_S3_7.2-9.2	G15_S4_9.2-11.2	G15_S5_11.2-13.2	G15_S6_13.2-15.2	G15_S7_15.2-17.2	G15_S8_17.2-19.2	G15A_S1_5.9-7.3	G15A_S2_5.9-7.3
Sample Date	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	02/12/2015	02/12/2015
Lab Sample ID	138765-16	138765-17	138765-18	138765-19	138796-7	138796-22 138796-27 138796-32 138974-2	138796-8	138796-9	138796-10	138796-11	138796-12	138796-13	138796-14	138796-15	138796-16	138796-17	15B0410-01 15D0960-01 15E0556-01	15B0410-02
Sample Depth (bgs)	0.5 - 7 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	13.5 - 19.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	0.5 - 1.2 (ft)	1.7 - 5.5 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	5.9 - 7.3 (ft)	5.9 - 7.3 (ft)
Sample Elevation (ft BCB)	20.9 to 14.4	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	7.9 to 1.9	5.9 to 3.9	3.9 to 1.9	20.8 to 20.1	19.6 to 15.8	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	15.4 to 14	15.4 to 14
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Acetone	-	-	-	-	-	ND (3.5)	-	-	-	-	-	-	-	-	-	-	ND (0.072)	-
Benzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Chlorobenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Ethylbenzene	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Isopropylbenzene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
m,p-Xylenes	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-
Methylene chloride	-	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	ND (0.0072)	-
Naphthalene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0072)	-
n-Propylbenzene	-	-	-	-	-	0.75	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
o-Xylene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Styrene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Tetrachloroethene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Toluene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
Trichloroethene	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-
SUM of Volatile Organic Compounds	-	-	-	-	-	2.39	-	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
2-Methylnaphthalene	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-
2-Methylphenol	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
3&4-Methylphenol	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Acenaphthene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.2	-
Acenaphthylene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-
Acetophenone	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Aniline	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Anthracene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.49	-
Benzo(a)anthracene	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	1.3	-
Benzo(a)pyrene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	1.2	-
Benzo(b)fluoranthene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	1.5	-
Benzo(g,h,i)perylene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.72	-
Benzo(k)fluoranthene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.57	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Carbazole	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	1.4	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.2	-
Dibenzofuran	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Diethyl phthalate	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-
Fluoranthene	-	-	-	-	-	0.78	-	-	-	-	-	-	-	-	-	-	2.6	-
Fluorene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.23	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	0.85	-
Isophorone	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Naphthalene	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	-	0.27	-
N-Nitrosodiphenylamine	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	-	-	2.1	-
Phenol	-	-	-	-	-	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-
Pyrene	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-	-	-	2.9	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	18.87	-	-	-	-	-	-	-	-	-	-	16.53	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G14								G15									
Location Name	G14	G14	G14	G14	G14	G14	G14	G14	G15	G15	G15	G15	G15	G15	G15	G15	G15A	G15A
Sample Name	G14_S1_0.5-7	G14_S2_7.5-9.5	G14_S3_9.5-11.5	G14_S4_11.5-13.5	G14_S5_13.5-15.5	G14_S7_13.5-19.5	G14_S6_15.5-17.5	G14_S8_17.5-19.5	G15_S1_0.5-1.2	G15_S2_1.7-5.5	G15_S3_7.2-9.2	G15_S4_9.2-11.2	G15_S5_11.2-13.2	G15_S6_13.2-15.2	G15_S7_15.2-17.2	G15_S8_17.2-19.2	G15A_S1_5.9-7.3	G15A_S2_5.9-7.3
Sample Date	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	02/12/2015	02/12/2015
Lab Sample ID	138765-16	138765-17	138765-18	138765-19	138796-7	138796-22 138796-27 138796-32 138974-2	138796-8	138796-9	138796-10	138796-11	138796-12	138796-13	138796-14	138796-15	138796-16	138796-17	15B0410-01 15D0960-01 15E0556-01	15B0410-02
Sample Depth (bgs)	0.5 - 7 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	13.5 - 19.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	0.5 - 1.2 (ft)	1.7 - 5.5 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	5.9 - 7.3 (ft)	5.9 - 7.3 (ft)
Sample Elevation (ft BCB)	20.9 to 14.4	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	7.9 to 1.9	5.9 to 3.9	3.9 to 1.9	20.8 to 20.1	19.6 to 15.8	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	15.4 to 14	15.4 to 14
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	520	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	280	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	ND (4.4)	-	-	-	-	-	-	-	-	-	-	7.3	-
Barium	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	220	-
Beryllium	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	ND (0.73)	-	-	-	-	-	-	-	-	-	-	2	-
Chromium	-	-	-	-	-	5.9	-	-	-	-	-	-	-	-	-	-	24	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	270	-
Mercury	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	7.3	-
Nickel	-	-	-	-	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	ND (7.3)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-
Silver	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	ND (0.56)	-
Thallium	-	-	-	-	-	ND (7.3)	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	0.24	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0001)	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
Aroclor-1221 (PCB-1221)	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
Aroclor-1232 (PCB-1232)	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
Aroclor-1242 (PCB-1242)	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
Aroclor-1248 (PCB-1248)	1.3	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	1.2	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
Aroclor-1254 (PCB-1254)	ND (0.045)	0.43	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	0.39	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	1.4
Aroclor-1260 (PCB-1260)	0.22	0.4	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	0.22	0.21	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	0.46
Aroclor-1262 (PCB-1262)	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
Aroclor-1268 (PCB-1268)	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	ND (0.063)	-	ND (0.052)	ND (0.06)	ND (0.046)	ND (0.046)	ND (0.051)	ND (0.048)	ND (0.046)	ND (0.056)	ND (0.057)	ND (0.059)	-	ND (0.21)
SUM of PCBs	1.52	0.83	ND	ND	ND	-	ND	ND	0.61	1.41	ND	ND	ND	ND	ND	ND	-	1.86
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.4	93.9
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	-	-	9.2	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	8.2	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		G16				G17				G18			G3				G4			
Location Name	G15A	G16	G16	G16	G16	G17	G17	G17	G17	G18	G18	G18	G3	G3	G3	G3	G4	G4	G4	G4
Sample Name	G15A_S3_7.3-9.3	G16_S1_4.1-5.1	G16_S2_5.1-7.1	G16_S3_7.1-9.1	G16_S4_9.1-11.1	G17_S1_4.0-5.0	G17_S2_5.0-7.0	G17_S3_7.0-9.0	G17_S4_9.0-11.0	G18_S1_0.3-9.0	G18_S2_0.3-5.0	G18_S3_5.0-7.0	G3_S1_0.6-1.6	G3_S2_1.6-3.6	G3_S3_3.6-5.6	G3_S4_5.6-7.6	G4_S1_0.7-1.7	G4_S2_1.7-3.7	G4_S3_3.7-5.7	G4_S4_5.7-7.7
Sample Date	02/12/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	02/12/2015	02/12/2015	02/12/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015
Lab Sample ID	15B0788-01	15K1005-10	15K1005-11	15K1005-12	15K1005-13	15K1005-16	15K1005-17	15K1005-18	15K1005-19	15B0409-01	15B0409-02	15B0409-03	15K0898-01	15K0898-02	15K0898-03	15K0898-04	15K0891-13	15K0891-14	15K0891-15	15K0891-16
Sample Depth (bgs)	7.3 - 9.3 (ft)	4.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.3 - 9 (ft)	0.3 - 5 (ft)	5 - 7 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)
Sample Elevation (ft BCB)	14 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	20.7 to 12	20.7 to 16	16 to 14	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	ND (0.089)	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.0089)	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.0089)	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	0.96	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	0.84	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	0.27	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	0.88	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	33.97	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		G16				G17				G18			G3				G4			
Location Name	G15A	G16	G16	G16	G16	G17	G17	G17	G17	G18	G18	G18	G3	G3	G3	G3	G4	G4	G4	G4
Sample Name	G15A_S3_7.3-9.3	G16_S1_4.1-5.1	G16_S2_5.1-7.1	G16_S3_7.1-9.1	G16_S4_9.1-11.1	G17_S1_4.0-5.0	G17_S2_5.0-7.0	G17_S3_7.0-9.0	G17_S4_9.0-11.0	G18_S1_0.3-9.0	G18_S2_0.3-5.0	G18_S3_5.0-7.0	G3_S1_0.6-1.6	G3_S2_1.6-3.6	G3_S3_3.6-5.6	G3_S4_5.6-7.6	G4_S1_0.7-1.7	G4_S2_1.7-3.7	G4_S3_3.7-5.7	G4_S4_5.7-7.7
Sample Date	02/12/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	02/12/2015	02/12/2015	02/12/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015
Lab Sample ID	15B0788-01	15K1005-10	15K1005-11	15K1005-12	15K1005-13	15K1005-16	15K1005-17	15K1005-18	15K1005-19	15B0409-01	15B0409-02	15B0409-03	15K0898-01	15K0898-02	15K0898-03	15K0898-04	15K0891-13	15K0891-14	15K0891-15	15K0891-16
Sample Depth (bgs)	7.3 - 9.3 (ft)	4.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	4 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.3 - 9 (ft)	0.3 - 5 (ft)	5 - 7 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)
Sample Elevation (ft BCB)	14 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	20.7 to 12	20.7 to 16	16 to 14	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	520	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	ND (0.27)	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	96	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	ND (0.55)	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	-	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	-	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	-	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	-	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	1.1	0.26	ND (0.11)	ND (0.1)	ND (0.1)	1.3	ND (0.11)	0.24	ND (0.098)	-	0.22	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.22	0.34	0.51	ND (0.11)
Aroclor-1254 (PCB-1254)	2.2	0.2	ND (0.11)	ND (0.1)	ND (0.1)	0.84	ND (0.11)	0.16	ND (0.098)	-	0.26	0.12	ND (0.1)	ND (0.11)	0.13	ND (0.12)	0.14	0.33	0.66	ND (0.11)
Aroclor-1260 (PCB-1260)	2	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	0.65	ND (0.11)	ND (0.11)	ND (0.098)	-	0.22	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	0.38	0.39	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	-	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.55)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.098)	-	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
SUM of PCBs	5.3	0.46	ND	ND	ND	2.79	ND	0.4	ND	-	0.7	0.12	ND	ND	0.13	ND	0.36	1.05	1.56	ND
Other																				
Percent Solids, vol. (%wt)	90.2	84.6	89.7	99	99.2	88.4	88.1	86.2	98.2	89.7	89.2	89.8	96.3	87.4	85.1	83.4	87.2	82.5	88.9	93.3
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G5				G6				G7										G8		
Location Name	G5	G5	G5	G5	G6	G6	G6	G6	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G8	G8	G8
Sample Name	G5_S1_0.7-1.7	G5_S2_1.7-3.7	G5_S3_3.7-5.7	G5_S4_5.7-7.7	G6_S1_1.2-2.2	G6_S2_2.2-4.2	G6_S3_4.2-6.2	G6_S4_6.2-8.2	G7_S1_0-3.4	G7_S5_4-14	G7_S2_6-8	G7_S3_8-9.7	G7_S4_11-14	G7_S6_14-16	G7_S7_16-18	G7_S8_18-20	G7_S9_20-22	G7_S10_22-24	G8_S1_0-2.4	G8_S2_4-5	G8_S6_4-10.6
Sample Date	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010
Lab Sample ID	15L0052-10	15L0052-11	15L0052-12	15L0052-13	15K1345-05	15K1345-06	15K1345-07	15K1345-08	133736-24 133736-57 133736-67 134154-4	133736-28 133736-58 133736-68 134154-9	133736-25	133736-26	133736-27	133736-29	133736-30	133736-31	133736-32	133736-33	133736-34 133736-59 133736-69 134154-10 134154-5	133736-35	133736-39 133736-60 133736-70 134154-6
Sample Depth (bgs)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	0 - 3.4 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 9.7 (ft)	11 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2.4 (ft)	4 - 5 (ft)	4 - 10.6 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 14.6	14 to 4	12 to 10	10 to 8.3	7 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	19 to 16.6	15 to 14	15 to 8.4
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Acetone	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.22)	-	ND (0.21)
Benzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.054)	-	ND (0.051)
Naphthalene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
o-Xylene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Styrene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Toluene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Acenaphthene	-	-	-	-	-	-	-	-	0.78	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	0.41
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Acetophenone	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Aniline	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Anthracene	-	-	-	-	-	-	-	-	0.8	0.81	-	-	-	-	-	-	-	-	0.65	-	1.3
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.83	1.6	-	-	-	-	-	-	-	-	1.7	-	4.4
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.71	1.5	-	-	-	-	-	-	-	-	1.4	-	4.4
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	0.87	1.9	-	-	-	-	-	-	-	-	1.8	-	5.4
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	0.54	1.2	-	-	-	-	-	-	-	-	0.7	-	1.5
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	ND (0.33)	0.61	-	-	-	-	-	-	-	-	0.66	-	1.8
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Carbazole	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	0.65
Chrysene	-	-	-	-	-	-	-	-	0.85	1.7	-	-	-	-	-	-	-	-	1.8	-	4.5
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	0.64
Dibenzofuran	-	-	-	-	-	-	-	-	0.66	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	0.55
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Fluoranthene	-	-	-	-	-	-	-	-	2.6	3.8	-	-	-	-	-	-	-	-	3.2	-	6.7
Fluorene	-	-	-	-	-	-	-	-	1.3	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	0.56
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	0.59	1.4	-	-	-	-	-	-	-	-	0.94	-	2.3
Isophorone	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Naphthalene	-	-	-	-	-	-	-	-	ND (0.33)	0.44	-	-	-	-	-	-	-	-	ND (0.36)	-	0.68
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Phenanthrene	-	-	-	-	-	-	-	-	4.1	3.6	-	-	-	-	-	-	-	-	1.5	-	4.4
Phenol	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)
Pyrene	-	-	-	-	-	-	-	-	2.2	3.7	-	-	-	-	-	-	-	-	2.9	-	7.3
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	16.83	22.26	-	-	-	-	-	-	-	-	17.25	-	47.49

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G5				G6				G7										G8		
Location Name	G5	G5	G5	G5	G6	G6	G6	G6	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G8	G8	G8
Sample Name	G5_S1_0.7-1.7	G5_S2_1.7-3.7	G5_S3_3.7-5.7	G5_S4_5.7-7.7	G6_S1_1.2-2.2	G6_S2_2.2-4.2	G6_S3_4.2-6.2	G6_S4_6.2-8.2	G7_S1_0-3.4	G7_S5_4-14	G7_S2_6-8	G7_S3_8-9.7	G7_S4_11-14	G7_S6_14-16	G7_S7_16-18	G7_S8_18-20	G7_S9_20-22	G7_S10_22-24	G8_S1_0-2.4	G8_S2_4-5	G8_S6_4-10.6
Sample Date	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010
Lab Sample ID	15L0052-10	15L0052-11	15L0052-12	15L0052-13	15K1345-05	15K1345-06	15K1345-07	15K1345-08	133736-24 133736-57 133736-67 134154-4	133736-28 133736-58 133736-68 134154-9	133736-25	133736-26	133736-27	133736-29	133736-30	133736-31	133736-32	133736-33	133736-34 133736-59 133736-69 134154-10 134154-5	133736-35	133736-39 133736-60 133736-70 134154-6
Sample Depth (bgs)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.2 - 2.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	0 - 3.4 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 9.7 (ft)	11 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2.4 (ft)	4 - 5 (ft)	4 - 10.6 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 14.6	14 to 4	12 to 10	10 to 8.3	7 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	19 to 16.6	15 to 14	15 to 8.4
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	120	100	-	-	-	-	-	-	-	-	100	-	160
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	140	130	-	-	-	-	-	-	-	-	95	-	150
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (30)	ND (35)	-	-	-	-	-	-	-	-	ND (33)	-	ND (34)
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	2.4	2.2	-	-	-	-	-	-	-	-	2.7	-	8.2
Arsenic	-	-	-	-	-	-	-	-	6	ND (3.5)	-	-	-	-	-	-	-	-	7.7	-	5.1
Barium	-	-	-	-	-	-	-	-	76	25	-	-	-	-	-	-	-	-	110	-	130
Beryllium	-	-	-	-	-	-	-	-	ND (0.31)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.35)
Cadmium	-	-	-	-	-	-	-	-	1.1	2	-	-	-	-	-	-	-	-	1.8	-	3.4
Chromium	-	-	-	-	-	-	-	-	23	74	-	-	-	-	-	-	-	-	36	-	16
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-	-
Lead	-	-	-	-	-	-	-	-	180	91	-	-	-	-	-	-	-	-	180	-	750
Mercury	-	-	-	-	-	-	-	-	0.38	0.048	-	-	-	-	-	-	-	-	0.66	-	0.49
Nickel	-	-	-	-	-	-	-	-	16	37	-	-	-	-	-	-	-	-	24	-	18
Selenium	-	-	-	-	-	-	-	-	ND (5.2)	ND (5.8)	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.9)
Silver	-	-	-	-	-	-	-	-	ND (1)	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)
Thallium	-	-	-	-	-	-	-	-	ND (5.2)	ND (5.8)	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.9)
Vanadium	-	-	-	-	-	-	-	-	34	16	-	-	-	-	-	-	-	-	57	-	33
Zinc	-	-	-	-	-	-	-	-	120	430	-	-	-	-	-	-	-	-	170	-	830
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	ND (0.3)	-	23
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	1.7	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-
Aroclor-1248 (PCB-1248)	ND (0.11)	0.36	1.2	ND (0.11)	2.3	4.2	ND (0.11)	ND (0.11)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.29	ND (0.42)	-
Aroclor-1254 (PCB-1254)	ND (0.11)	0.22	2.8	ND (0.11)	0.81	1.3	ND (0.11)	ND (0.11)	ND (0.04)	-	1.8	0.19	ND (0.051)	0.064	ND (0.04)	ND (0.04)	0.11	ND (0.04)	ND (0.04)	0.97	-
Aroclor-1260 (PCB-1260)	ND (0.11)	0.41	5.8	ND (0.11)	0.86	ND (0.59)	ND (0.11)	ND (0.11)	0.37	-	3.1	0.46	1.1	0.074	0.041	ND (0.04)	ND (0.04)	ND (0.04)	0.07	0.6	-
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.46)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.051)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.42)	-
SUM of PCBs	ND	0.99	9.8	ND	3.97	5.5	ND	ND	2.07	-	4.9	0.65	1.1	0.138	0.041	ND	0.11	ND	0.36	1.57	-
Other																					
Percent Solids, vol. (%wt)	85.8	84.3	93.8	93.4	86.7	84.9	87.2	88.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	165 >	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	8.5	8.4	-	-	-	-	-	-	-	-	8.1	-	8.3
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1)	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	1.5	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	1.9
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1)	ND (1.3)	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G8								G9										
Location Name	G8	G8	G8	G8	G8	G8	G8	G8	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9
Sample Name	G8_S3_5-7	G8_S4_7-9	G8_S5_9-10.6	G8_S7_15-17	G8_S8_17-19	G8_S9_19-21	G8_S10_21-23	G8_S11_23-25	G9_S1_0-5.4	G9_S6_5.4-15.2	G9_S2_7.2-8.1	G9_S3_9.2-11.2	G9_S4_11.2-13.2	G9_S5_13.2-15.2	G9_S7_15.2-17.2	G9_S8_17.2-19.2	G9_S9_19.2-21.2	G9_S10_21.2-23.2	G9_S11_23.2-25.2
Sample Date	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	133736-36	133736-37	133736-38	133766-6	133766-7	133766-8	133766-9	133766-10	133875-51 133875-62 133875-71	133875-56 133875-63 133875-72	133875-19	133875-20	133875-21	133875-22	133875-23	133875-24	133875-25	133875-26	133875-27
Sample Depth (bgs)	5 - 7 (ft)	7 - 9 (ft)	9 - 10.6 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0 - 5.4 (ft)	5.4 - 15.2 (ft)	7.2 - 8.1 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	10 to 8.4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	21.2 to 15.8	15.8 to 6	14 to 13.1	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	ND (0.28)	ND (0.28)	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.069)	ND (0.071)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.007)	0.008	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	0.008	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	0.73	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	ND (0.36)	1.3	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.36)	0.44	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	0.39	3	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.84	5.8	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.76	5.5	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	1	8	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	ND (0.36)	1.4	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	ND (0.36)	2.7	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.36)	1.7	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	0.85	5.7	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.36)	0.6	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	ND (0.36)	1.2	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	2	11	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	ND (0.36)	1.5	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	ND (0.36)	1.9	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.36)	1.6	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	1.6	9.9	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.4)	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	1.7	10	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	9.14	73.97	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	G8								G9										
Location Name	G8	G8	G8	G8	G8	G8	G8	G8	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9	G9
Sample Name	G8_S3_5-7	G8_S4_7-9	G8_S5_9-10.6	G8_S7_15-17	G8_S8_17-19	G8_S9_19-21	G8_S10_21-23	G8_S11_23-25	G9_S1_0-5.4	G9_S6_5.4-15.2	G9_S2_7.2-8.1	G9_S3_9.2-11.2	G9_S4_11.2-13.2	G9_S5_13.2-15.2	G9_S7_15.2-17.2	G9_S8_17.2-19.2	G9_S9_19.2-21.2	G9_S10_21.2-23.2	G9_S11_23.2-25.2
Sample Date	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	133736-36	133736-37	133736-38	133766-6	133766-7	133766-8	133766-9	133766-10	133875-51 133875-62 133875-71	133875-56 133875-63 133875-72	133875-19	133875-20	133875-21	133875-22	133875-23	133875-24	133875-25	133875-26	133875-27
Sample Depth (bgs)	5 - 7 (ft)	7 - 9 (ft)	9 - 10.6 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0 - 5.4 (ft)	5.4 - 15.2 (ft)	7.2 - 8.1 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	10 to 8.4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	21.2 to 15.8	15.8 to 6	14 to 13.1	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	110	75	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	160	ND (37)	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (33)	ND (37)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	1.5	2	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	ND (3.2)	ND (3.6)	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	41	38	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.36)	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	0.98	0.98	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	19	22	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	67	74	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	0.29	0.21	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	15	14	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND (5.4)	ND (6.1)	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (5.4)	ND (6.1)	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	22	30	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	71	82	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.41	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	0.13	0.2	0.15	ND (0.058)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	0.12	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (2.2)	59	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
Aroclor-1254 (PCB-1254)	0.31	0.068	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	7.5	ND (4.2)	0.048	0.16	ND (0.058)	ND (0.055)	0.092	0.076	ND (0.058)
Aroclor-1260 (PCB-1260)	0.15	0.046	ND (0.04)	0.13	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.07	-	3.6	12	ND (0.048)	0.087	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (2.2)	ND (4.2)	ND (0.048)	ND (0.053)	ND (0.058)	ND (0.055)	ND (0.063)	ND (0.05)	ND (0.058)
SUM of PCBs	0.46	0.114	0.12	0.13	ND	ND	ND	ND	0.48	-	11.1	71	0.048	0.247	ND	0.13	0.292	0.226	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	7	7.4	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		H10												H11						
Location Name	G9	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H11	H11	H11	H12	H12	H12	H12
Sample Name	G9_S12_25.2-27.2	H10_S1_1-5	H10_S7_7-17	H10_S2_9-11	H10_S3_11-13	H10_S4_13-15	H10_S5_15-17	H10_S6_17-19	H10_S8_19-21	H10_S9_21-23	H10_S10_23-25	H10_S11_25-26.3	H10_S12_26.3-27	H11_S1_8.0-9.0	H11_S2_8-9	H11_S3_9-11	H12_S1_0.5-3.5	H12_S2_4.3-5.3	H12_S3_4.3-14.3	H12_S4_5.3-5.6
Sample Date	06/11/2010	06/10/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	02/18/2015	02/18/2015	02/18/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011
Lab Sample ID	133875-28	133820-36 133820-45 133820-53 134052-1	133875-57 133875-65 133875-74 134056-5	133875-34	133875-35	133875-36	133875-37	133875-38	133875-39	133875-40	133875-41	133875-42	133875-43	15B0587-01	15C0016-01	15C0016-02	139017-32 139017-37 139017-41 139158-1	139017-24	139017-34 139017-38 139017-42	139017-25
Sample Depth (bgs)	25.2 - 27.2 (ft)	1 - 5 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 26.3 (ft)	26.3 - 27 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	0.5 - 3.5 (ft)	4.3 - 5.3 (ft)	4.3 - 14.3 (ft)	5.3 - 5.6 (ft)
Sample Elevation (ft BCB)	-4 to -6	20 to 16	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.3	-5.3 to -6	13 to 12	13 to 12	12 to 10	20.8 to 17.8	17 to 16	17 to 7	16 to 15.7
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.005)	-	ND (0.005)	-
1,2,4-Trichlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.005)	-	ND (0.005)	-
1,2,4-Trimethylbenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
1,2-Dichlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
1,3,5-Trichlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-
1,3,5-Trimethylbenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
1,3-Dichlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
1,4-Dichlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
Acetone	-	ND (0.26)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	ND (0.056)	-	-	ND (0.2)	-	ND (0.2)	-
Benzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	0.0027	-	-	ND (0.005)	-	ND (0.005)	-
Chlorobenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
Chloroform (Trichloromethane)	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.005)	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	0.0012	-	-	ND (0.005)	-	ND (0.005)	-
Ethylbenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
Isopropylbenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
m,p-Xylenes	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.005)	-	ND (0.005)	-
Methyl Tert Butyl Ether	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	-	ND (0.005)	-	ND (0.005)	-
Methylene chloride	-	ND (0.066)	ND (0.052)	-	-	-	-	-	-	-	-	-	-	ND (0.0056)	-	-	ND (0.05)	-	ND (0.05)	-
Naphthalene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0056)	-	-	ND (0.005)	-	ND (0.005)	-
n-Propylbenzene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
o-Xylene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
Styrene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	0.0026	-	-	ND (0.005)	-	ND (0.005)	-
Tetrachloroethene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
Toluene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	0.0018	-	-	ND (0.005)	-	ND (0.005)	-
Trichloroethene	-	ND (0.007)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	ND (0.005)	-
SUM of Volatile Organic Compounds	-	ND	ND	-	-	-	-	-	-	-	-	-	-	0.0083	-	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
1,2-Dichlorobenzene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
1,3-Dichlorobenzene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
1,4-Dichlorobenzene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
2,4-Dimethylphenol	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
2,4-Dinitrotoluene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
2,6-Dinitrotoluene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
2-Chloronaphthalene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
2-Methylnaphthalene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.32	-	-	ND (0.37)	-	ND (0.36)	-
2-Methylphenol	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
3&4-Methylphenol	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.7	-	-	ND (0.37)	-	ND (0.36)	-
Acenaphthene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.37)	-	ND (0.36)	-
Acenaphthylene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.37)	-	ND (0.36)	-
Acetophenone	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.61	-	-	ND (0.37)	-	ND (0.36)	-
Aniline	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
Anthracene	-	0.54	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.27	-	-	0.57	-	0.73	-
Benzo(a)anthracene	-	1.2	0.67	-	-	-	-	-	-	-	-	-	-	0.53	-	-	1.4	-	1.9	-
Benzo(a)pyrene	-	1.1	0.62	-	-	-	-	-	-	-	-	-	-	0.46	-	-	1.2	-	1.7	-
Benzo(b)fluoranthene	-	1.5	0.87	-	-	-	-	-	-	-	-	-	-	0.68	-	-	1.5	-	2	-
Benzo(g,h,i)perylene	-	0.48	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.37	-	-	0.56	-	0.83	-
Benzo(k)fluoranthene	-	0.55	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.26	-	-	0.66	-	0.74	-
bis(2-Ethylhexyl)phthalate	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.54	-	-	ND (0.37)	-	ND (0.36)	-
Butyl benzylphthalate	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	0.49	-	ND (0.36)	-
Carbazole	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.4	-
Chrysene	-	1.3	0.68	-	-	-	-	-	-	-	-	-	-	0.57	-	-	1.4	-	1.8	-
Dibenz(a,h)anthracene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.37)	-	ND (0.36)	-
Dibenzofuran	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
Diethyl phthalate	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
Di-n-butylphthalate	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
Di-n-octyl phthalate	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.72)	-	-	ND (0.37)	-	ND (0.36)	-
Fluoranthene	-	2.4	1.5	-	-	-	-	-	-	-	-	-	-	1.3	-	-	2.5	-	3.4	-
Fluorene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.37)	-	ND (0.36)	-
Indeno(1,2,3-cd)pyrene	-	0.54	ND (0.34)	-	-	-	-	-	-	-	-	-	-	0.41	-	-	0.62	-	0.91	-
Isophorone	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
Naphthalene	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	1.1	-	-	ND (0.37)	-	0.75	-
N-Nitrosodiphenylamine	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.36)	-
Phenanthrene	-	1.8	1.2	-	-	-	-	-	-	-	-	-	-	1.1	-	-	1.8	-	2.6	-
Phenol	-	ND (0.37)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.36)	-
Pyrene	-	2.1	1.6	-	-	-	-	-	-	-	-	-	-	1.1	-	-	2.3	-	3.3	-
SUM of Semi-Volatile Organic Compounds	-	13.51	7.14	-	-	-	-	-	-	-	-	-	-	10.32	-	-	15	-	21.06	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		H10												H11						
Location Name	G9	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H11	H11	H11	H12	H12	H12	H12
Sample Name	G9_S12_25.2-27.2	H10_S1_1-5	H10_S7_7-17	H10_S2_9-11	H10_S3_11-13	H10_S4_13-15	H10_S5_15-17	H10_S6_17-19	H10_S8_19-21	H10_S9_21-23	H10_S10_23-25	H10_S11_25-26.3	H10_S12_26.3-27	H11_S1_8.0-9.0	H11_S2_8-9	H11_S3_9-11	H12_S1_0.5-3.5	H12_S2_4.3-5.3	H12_S3_4.3-14.3	H12_S4_5.3-5.6
Sample Date	06/11/2010	06/10/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	02/18/2015	02/18/2015	02/18/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011
Lab Sample ID	133875-28	133820-36 133820-45 133820-53 134052-1	133875-57 133875-65 133875-74 134056-5	133875-34	133875-35	133875-36	133875-37	133875-38	133875-39	133875-40	133875-41	133875-42	133875-43	15B0587-01	15C0016-01	15C0016-02	139017-32 139017-37 139017-41 139158-1	139017-24	139017-34 139017-38 139017-42	139017-25
Sample Depth (bgs)	25.2 - 27.2 (ft)	1 - 5 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 26.3 (ft)	26.3 - 27 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)	0.5 - 3.5 (ft)	4.3 - 5.3 (ft)	4.3 - 14.3 (ft)	5.3 - 5.6 (ft)
Sample Elevation (ft BCB)	-4 to -6	20 to 16	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.3	-5.3 to -6	13 to 12	13 to 12	12 to 10	20.8 to 17.8	17 to 16	17 to 7	16 to 15.7
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	600	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	94	ND (31)	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	59	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	77	ND (31)	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	66	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (33)	ND (31)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (22)	-	ND (22)	-
Inorganic Compounds (mg/kg)																				
Antimony	-	3	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-	1.9	-
Arsenic	-	3.9	4	-	-	-	-	-	-	-	-	-	-	4.6	-	-	ND (3.4)	-	3.6	-
Barium	-	56	160	-	-	-	-	-	-	-	-	-	-	92	-	-	44	-	34	-
Beryllium	-	ND (0.34)	ND (0.33)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.36)	-
Cadmium	-	1.1	ND (0.56)	-	-	-	-	-	-	-	-	-	-	1.3	-	-	0.72	-	0.76	-
Chromium	-	20	13	-	-	-	-	-	-	-	-	-	-	21	-	-	9.2	-	7.6	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	130	150	-	-	-	-	-	-	-	-	-	-	1200	-	-	110	-	86	-
Mercury	-	0.34	0.69	-	-	-	-	-	-	-	-	-	-	2.1	-	-	2.3	-	0.44	-
Nickel	-	16	10	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	-	7.6	-
Selenium	-	5.8	ND (5.6)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	-	ND (5.6)	-	ND (6.1)	-
Silver	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (0.56)	-	-	ND (1.1)	-	ND (1.2)	-
Thallium	-	ND (5.6)	ND (5.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.1)	-
Vanadium	-	37	17	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	16	-
Zinc	-	85	65	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	130	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	ND (0.3)	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.064)	ND (0.23)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	ND (0.045)	-	ND (0.046)
Aroclor-1221 (PCB-1221)	ND (0.064)	ND (0.23)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	ND (0.045)	-	ND (0.046)
Aroclor-1232 (PCB-1232)	ND (0.064)	ND (0.23)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	ND (0.045)	-	ND (0.046)
Aroclor-1242 (PCB-1242)	ND (0.064)	2.2	-	0.082	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	ND (0.045)	-	ND (0.046)
Aroclor-1248 (PCB-1248)	ND (0.064)	ND (0.23)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	33	14	ND (0.045)	0.5	-	0.45
Aroclor-1254 (PCB-1254)	ND (0.064)	ND (0.23)	-	ND (0.043)	0.15	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	44	24	0.44	ND (0.045)	-	ND (0.046)
Aroclor-1260 (PCB-1260)	ND (0.064)	0.42	-	0.045	0.093	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	29	13	0.17	0.18	-	0.11
Aroclor-1262 (PCB-1262)	ND (0.064)	ND (0.23)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	ND (0.045)	-	ND (0.046)
Aroclor-1268 (PCB-1268)	ND (0.064)	ND (0.23)	-	ND (0.043)	ND (0.043)	ND (0.052)	ND (0.058)	ND (0.062)	ND (0.053)	ND (0.053)	ND (0.06)	ND (0.065)	ND (0.063)	-	ND (5.4)	ND (4.1)	ND (0.045)	ND (0.045)	-	ND (0.046)
SUM of PCBs	ND	2.62	-	0.127	0.243	ND	ND	ND	ND	ND	ND	ND	ND	-	106	51	0.61	0.68	-	0.56
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	92.4	93.1	93.9	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7.4	7	-	-	-	-	-	-	-	-	-	-	10	-	-	7.2	-	7.2	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.2)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H12										H13			H14			H15		
Location Name	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H13	H13	H13	H14	H14	H14	H15	H15	H15
Sample Name	H12_S5_7.3-8.8	H12_S6_9.3-11.3	H12_S7_11.3-13.3	H12_S8_13.3-15.3	Y26_S1_2-4	H12_S9_15.3-17.3	H12_S10_17.3-19.3	H12_S11_19.3-21.3	H12_S12_21.3-23.3	H12_S13_23.3-25.3	H13_S1_8.0-9.1	H13_S2_8.0-9.1	H13_S3_9.1-11.1	H14_S1_8.0-9.1	H14_S2_8.0-9.1	H14_S3_9.1-11.1	H15_S1_8-9	H15_S2_8-9	H15_S3_9-11
Sample Date	01/06/2011	01/06/2011	01/06/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	02/20/2015	02/20/2015	02/20/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015
Lab Sample ID	139017-26	139017-27	139017-28	139039-8	139039-14	139039-9	139039-10	139039-11	139039-12	139039-13	15B0706-01 15C0032-01	15C0071-01	15C0071-02	15B0626-01 15B0805-01	15C0024-01	15C0024-02	15B0628-01	15C0019-01	15C0019-02
Sample Depth (bgs)	7.3 - 8.8 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	9.1 - 11.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	9.1 - 11.1 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)	14 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	13.1 to 12	13.1 to 12	12 to 10	13.1 to 12	13.1 to 12	12 to 10	13 to 12	13 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	0.0021	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.095)	-	-	ND (0.083)	-	-	ND (0.059)	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	0.0043	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	0.0065	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	0.0044	-	-	ND (0.0033)	-	-	ND (0.0024)	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.0033)	-	-	ND (0.0024)	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.0095)	-	-	ND (0.0083)	-	-	ND (0.0059)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	2.3	-	-	ND (0.0083)	-	-	ND (0.0059)	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	0.0024	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	0.0046	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	0.048	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.0017)	-	-	ND (0.0012)	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	2.3723	-	-	ND	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	0.36	-	-	ND (0.2)	-	-	ND (0.19)	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	2	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	3	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	5.2	-	-	0.3	-	-	0.38	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	4.3	-	-	0.3	-	-	0.31	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	5.6	-	-	0.49	-	-	0.53	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	2.7	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	2	-	-	ND (0.2)	-	-	ND (0.19)	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	5.1	-	-	0.48	-	-	0.45	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	0.71	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	0.95	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	ND (0.79)	-	-	ND (0.75)	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	11	-	-	0.56	-	-	0.86	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	1.7	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	3.2	-	-	ND (0.2)	-	-	ND (0.19)	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	0.86	-	-	ND (0.2)	-	-	ND (0.19)	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	12	-	-	0.55	-	-	0.42	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	ND (0.4)	-	-	ND (0.38)	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	13	-	-	0.54	-	-	0.7	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	73.68	-	-	3.22	-	-	3.65	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H12										H13			H14			H15		
Location Name	H12	H12	H12	H12	H12	H12	H12	H12	H12	H12	H13	H13	H13	H14	H14	H14	H15	H15	H15
Sample Name	H12_S5_7.3-8.8	H12_S6_9.3-11.3	H12_S7_11.3-13.3	H12_S8_13.3-15.3	Y26_S1_2-4	H12_S9_15.3-17.3	H12_S10_17.3-19.3	H12_S11_19.3-21.3	H12_S12_21.3-23.3	H12_S13_23.3-25.3	H13_S1_8.0-9.1	H13_S2_8.0-9.1	H13_S3_9.1-11.1	H14_S1_8.0-9.1	H14_S2_8.0-9.1	H14_S3_9.1-11.1	H15_S1_8-9	H15_S2_8-9	H15_S3_9-11
Sample Date	01/06/2011	01/06/2011	01/06/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	02/20/2015	02/20/2015	02/20/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015	02/19/2015
Lab Sample ID	139017-26	139017-27	139017-28	139039-8	139039-14	139039-9	139039-10	139039-11	139039-12	139039-13	15B0706-01 15C0032-01	15C0071-01	15C0071-02	15B0626-01 15B0805-01	15C0024-01	15C0024-02	15B0628-01	15C0019-01	15C0019-02
Sample Depth (bgs)	7.3 - 8.8 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	9.1 - 11.1 (ft)	8 - 9.1 (ft)	8 - 9.1 (ft)	9.1 - 11.1 (ft)	8 - 9 (ft)	8 - 9 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)	14 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	13.1 to 12	13.1 to 12	12 to 10	13.1 to 12	13.1 to 12	12 to 10	13 to 12	13 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	390	-	-	160	-	-	120	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	21	-	-	5.6	-	-	ND (2.8)	-	-
Barium	-	-	-	-	-	-	-	-	-	-	100	-	-	240	-	-	52	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	1.1	-	-	ND (0.28)	-	-	0.83	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	9.6	-	-	10	-	-	7.6	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	230	-	-	120	-	-	95	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	11	-	-	0.68	-	-	0.23	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	ND (6.2)	-	-	ND (5.6)	-	-	ND (5.6)	-	-
Silver	-	-	-	-	-	-	-	-	-	-	ND (0.62)	-	-	ND (0.56)	-	-	ND (0.56)	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	0.08	-	-	0.095	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	0.14	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.042)	0.29	15	0.11	0.17	0.68	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	0.33	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.042)	0.2	8.7	ND (0.056)	0.13	0.4	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.042)	ND (0.044)	ND (2.3)	ND (0.056)	ND (0.057)	ND (0.06)	ND (0.054)	ND (0.057)	ND (0.057)	ND (0.062)	-	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (0.11)
SUM of PCBs	ND	0.49	23.7	0.11	0.3	1.08	ND	ND	ND	ND	-	0.47	ND	-	ND	ND	-	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	82.8	84.4	86.4	84.7	82.7	87.8	89.1	85.3	91.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	ND (4)	-	-	ND (3.9)	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	ND (20)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	120	-	-	80	-	-	100	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	NI	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	9.6	-	-	8	-	-	8.2	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H16			H17					H18				H3					H4			
Location Name	H16	H16	H16	H17	H17	H17	H17	H17	H18	H18	H18	H18	H3	H3	H3	H3	H3	H4	H4	H4	H4
Sample Name	H16_S1_1-4	H16_S2_9-11	H16_S3_11-13	H17_S1_0.6-4.6	Z17_S1_0.6-4.6	H17_S2_7-9	H17_S3_9-11	H17+S4_11-13	H18_S1_3.1-4.1	H18_S2_4.1-6.1	H18_S3_6.1-8.1	H18_S4_8.1-10.1	H3_S1_0-1.5	H3_S2_1.5-3.5	H3_S3_3.5-4.0	H3_S4_4.0-5.5	H3_S5_5.5-7.5	H4_S1_0.7-1.7	H4_S2_1.7-3.7	H4_S3_3.7-5.7	H4_S4_5.7-7.7
Sample Date	01/05/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015
Lab Sample ID	138980-19	139017-1RA1	139017-2	139017-3	139017-7	139017-4	139017-5	139017-6	15K1005-04	15K1005-05	15K1005-06	15K1005-07	15K0894-11	15K0894-12	15K0894-13	15L0055-02	15L0055-03	15K0891-07	15K0891-08	15K0891-09	15K0891-10
Sample Depth (bgs)	1 - 4 (ft)	9 - 11 (ft)	11 - 13 (ft)	0.6 - 4.6 (ft)	0.6 - 4.6 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	3.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	0.1 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 4 (ft)	4 - 5.5 (ft)	5.5 - 7.5 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)
Sample Elevation (ft BCB)	20 to 17	12 to 10	10 to 8	20.4 to 16.4	20.4 to 16.4	14 to 12	12 to 10	10 to 8	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14	14 to 13.5	13.5 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H16			H17					H18				H3					H4			
Location Name	H16	H16	H16	H17	H17	H17	H17	H17	H18	H18	H18	H18	H3	H3	H3	H3	H3	H4	H4	H4	H4
Sample Name	H16_S1_1-4	H16_S2_9-11	H16_S3_11-13	H17_S1_0.6-4.6	Z17_S1_0.6-4.6	H17_S2_7-9	H17_S3_9-11	H17+S4_11-13	H18_S1_3.1-4.1	H18_S2_4.1-6.1	H18_S3_6.1-8.1	H18_S4_8.1-10.1	H3_S1_0-1.5	H3_S2_1.5-3.5	H3_S3_3.5-4.0	H3_S4_4.0-5.5	H3_S5_5.5-7.5	H4_S1_0.7-1.7	H4_S2_1.7-3.7	H4_S3_3.7-5.7	H4_S4_5.7-7.7
Sample Date	01/05/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	12/01/2015	12/01/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015
Lab Sample ID	138980-19	139017-1RA1	139017-2	139017-3	139017-7	139017-4	139017-5	139017-6	15K1005-04	15K1005-05	15K1005-06	15K1005-07	15K0894-11	15K0894-12	15K0894-13	15L0055-02	15L0055-03	15K0891-07	15K0891-08	15K0891-09	15K0891-10
Sample Depth (bgs)	1 - 4 (ft)	9 - 11 (ft)	11 - 13 (ft)	0.6 - 4.6 (ft)	0.6 - 4.6 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	3.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	0.1 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 4 (ft)	4 - 5.5 (ft)	5.5 - 7.5 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)
Sample Elevation (ft BCB)	20 to 17	12 to 10	10 to 8	20.4 to 16.4	20.4 to 16.4	14 to 12	12 to 10	10 to 8	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14	14 to 13.5	13.5 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.043)	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1221 (PCB-1221)	ND (0.043)	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1232 (PCB-1232)	ND (0.043)	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1242 (PCB-1242)	ND (0.043)	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1248 (PCB-1248)	0.6	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	0.35	ND (1.1)	3.9	0.2	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	0.16	ND (0.11)	ND (0.11)	0.16
Aroclor-1254 (PCB-1254)	ND (0.043)	ND (0.054)	ND (0.054)	1.5	1.9	ND (0.052)	ND (0.048)	ND (0.049)	0.25	7.6	6.4	0.54	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	0.2
Aroclor-1260 (PCB-1260)	0.3	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	0.14	ND (1.1)	5.2	0.13	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	0.16
Aroclor-1262 (PCB-1262)	ND (0.043)	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Aroclor-1268 (PCB-1268)	ND (0.043)	ND (0.054)	ND (0.054)	ND (0.043)	ND (0.045)	ND (0.052)	ND (0.048)	ND (0.049)	ND (0.11)	ND (1.1)	ND (1.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
SUM of PCBs	0.9	ND	ND	1.5	1.9	ND	ND	ND	0.74	7.6	15.5	0.87	ND	ND	ND	ND	ND	0.16	ND	ND	0.52
Other																					
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	89.1	85.7	91.7	90	96.1	90.7	84.3	84.2	96.9	93.1	88.2	92.1	86.4
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H5				H6						H7											
Location Name	H5	H5	H5	H5	H6	H6	H6	H6	H6	H6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H8	H8	H8
Sample Name	H5_S1_0.0-1.3	H5_S2_1.3-3.3	H5_S3_3.3-5.3	H5_S4_5.3-7.3	H6_S1_0.0-1.2	H6_S2_1.2-3.2	Z6_S2_1.2-3.2	H6_S3_3.2-5.2	H6_S4_5.2-7.2	H6_S5_7.2-9.2	H7_S1_0.5-3.5	H7_S6_4-14	H7_S2_6-8	H7_S3_8-10	H7_S4_10-12	H7_S5_12-14	H7_S7_14-16	H7_S8_16-18	H7_S9_18-20	H8_S1_0.5-3.5	H8_S2_4-6	H8_S6_4-14
Sample Date	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15L0053-02	15L0053-03	15L0053-04	15L0053-05	15K1345-11	15K1345-12	15K1345-17	15K1345-13	15K1345-14	15L0365-01	133736-42 133736-61 133736-71 134154-11 134154-7	133736-47 133736-62 133736-72 134154-8	133736-43	133736-44	133736-45	133736-46	133736-48	133736-49	133736-50	133708-51 133708-62 133708-70	133708-40	133708-52 133708-63 133708-71 133941-4
Sample Depth (bgs)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	0.5 - 3.5 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	0.5 - 3.5 (ft)	4 - 6 (ft)	4 - 14 (ft)
Sample Elevation (ft BCB)	17.3 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	17.5 to 14.5	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	18.2 to 15.2	14.7 to 12.7	14.7 to 4.7
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.25)	ND (0.21)	-	-	-	-	-	-	-	ND (0.31)	-	ND (0.29)
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.062)	ND (0.052)	-	-	-	-	-	-	-	ND (0.078)	-	ND (0.073)
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.007)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Acenaphthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Anthracene	-	-	-	-	-	-	-	-	-	-	0.65	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	1.4	ND (0.38)	-	-	-	-	-	-	-	0.46	-	ND (0.44)
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	1.3	ND (0.38)	-	-	-	-	-	-	-	0.39	-	ND (0.44)
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	1.5	ND (0.38)	-	-	-	-	-	-	-	0.51	-	ND (0.44)
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	0.74	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.51	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Carbazole	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Chrysene	-	-	-	-	-	-	-	-	-	-	1.4	ND (0.38)	-	-	-	-	-	-	-	0.48	-	ND (0.44)
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Fluoranthene	-	-	-	-	-	-	-	-	-	-	2.9	ND (0.38)	-	-	-	-	-	-	-	0.92	-	ND (0.44)
Fluorene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	0.88	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Phenanthrene	-	-	-	-	-	-	-	-	-	-	2.2	ND (0.38)	-	-	-	-	-	-	-	0.59	-	ND (0.44)
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.44)
Pyrene	-	-	-	-	-	-	-	-	-	-	2.6	ND (0.38)	-	-	-	-	-	-	-	0.93	-	ND (0.44)
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	16.08	ND	-	-	-	-	-	-	-	4.28	-	ND

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H5				H6						H7											
Location Name	H5	H5	H5	H5	H6	H6	H6	H6	H6	H6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H8	H8	H8
Sample Name	H5_S1_0.0-1.3	H5_S2_1.3-3.3	H5_S3_3.3-5.3	H5_S4_5.3-7.3	H6_S1_0.0-1.2	H6_S2_1.2-3.2	Z6_S2_1.2-3.2	H6_S3_3.2-5.2	H6_S4_5.2-7.2	H6_S5_7.2-9.2	H7_S1_0.5-3.5	H7_S6_4-14	H7_S2_6-8	H7_S3_8-10	H7_S4_10-12	H7_S5_12-14	H7_S7_14-16	H7_S8_16-18	H7_S9_18-20	H8_S1_0.5-3.5	H8_S2_4-6	H8_S6_4-14
Sample Date	12/01/2015	12/01/2015	12/01/2015	12/01/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/07/2010	06/07/2010	06/07/2010
Lab Sample ID	15L0053-02	15L0053-03	15L0053-04	15L0053-05	15K1345-11	15K1345-12	15K1345-17	15K1345-13	15K1345-14	15L0365-01	133736-42 133736-61 133736-71 134154-11 134154-7	133736-47 133736-62 133736-72 134154-8	133736-43	133736-44	133736-45	133736-46	133736-48	133736-49	133736-50	133708-51 133708-62 133708-70	133708-40	133708-52 133708-63 133708-71 133941-4
Sample Depth (bgs)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	0.5 - 3.5 (ft)	4 - 14 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	0.5 - 3.5 (ft)	4 - 6 (ft)	4 - 14 (ft)
Sample Elevation (ft BCB)	17.3 to 16	16 to 14	14 to 12	12 to 10	17.2 to 16	16 to 14	16 to 14	14 to 12	12 to 10	10 to 8	17.5 to 14.5	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	18.2 to 15.2	14.7 to 12.7	14.7 to 4.7
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	130	66	-	-	-	-	-	-	-	86	-	120
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	89	58	-	-	-	-	-	-	-	110	-	110
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (33)	50	-	-	-	-	-	-	-	ND (35)	-	140
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	1.9	1.4	-	-	-	-	-	-	-	1.8	-	4.1
Arsenic	-	-	-	-	-	-	-	-	-	-	7.9	5.7	-	-	-	-	-	-	-	ND (3.6)	-	5.7
Barium	-	-	-	-	-	-	-	-	-	-	72	84	-	-	-	-	-	-	-	55	-	170
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)
Cadmium	-	-	-	-	-	-	-	-	-	-	1.5	0.89	-	-	-	-	-	-	-	0.94	-	1.6
Chromium	-	-	-	-	-	-	-	-	-	-	31	9.5	-	-	-	-	-	-	-	21	-	18
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	110	210	-	-	-	-	-	-	-	52	-	1500
Mercury	-	-	-	-	-	-	-	-	-	-	0.58	92	-	-	-	-	-	-	-	0.15	-	1.4
Nickel	-	-	-	-	-	-	-	-	-	-	22	9.3	-	-	-	-	-	-	-	14	-	17
Selenium	-	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (5.9)	-	-	-	-	-	-	-	ND (5.9)	-	ND (6.7)
Silver	-	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.2)	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)
Thallium	-	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (5.9)	-	-	-	-	-	-	-	ND (5.9)	-	ND (6.7)
Vanadium	-	-	-	-	-	-	-	-	-	-	50	20	-	-	-	-	-	-	-	32	-	32
Zinc	-	-	-	-	-	-	-	-	-	-	110	110	-	-	-	-	-	-	-	75	-	460
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	0.4	0.6	-	-	-	-	-	-	-	-	-	6.2
Mercury	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (0.12)	ND (0.12)	3.3	ND (0.11)	ND (0.11)	3.5	0.34	3.3	ND (21)	ND (0.11)	2.3	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
Aroclor-1254 (PCB-1254)	ND (0.12)	ND (0.12)	5.2	0.22	ND (0.11)	ND (1.1)	ND (0.12)	1.3	150	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	18	ND (0.04)
Aroclor-1260 (PCB-1260)	ND (0.12)	ND (0.12)	2.2	0.15	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	0.49	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	13	0.39
Aroclor-1262 (PCB-1262)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.12)	ND (0.12)	ND (1.1)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.12)	ND (1.1)	ND (21)	ND (0.11)	ND (0.23)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)	ND (0.04)
SUM of PCBs	ND	ND	10.7	0.37	ND	3.5	0.34	4.6	150	ND	2.79	-	ND	ND	ND	ND	ND	ND	ND	ND	31	0.39
Other																						
Percent Solids, vol. (%wt)	85.3	81.5	91.1	91.6	87.7	86.3	86.2	86.6	95.5	91	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	165 >	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	ND (50)	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	ND (100)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	7.8	7.9	-	-	-	-	-	-	-	8.4	-	6.9
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.6)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (1.3)	5.9	-	-	-	-	-	-	-	ND (1.4)	-	12
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.3)	4.6	-	-	-	-	-	-	-	ND (1.4)	-	6.5

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H8									H9												I
Location Name	H8	H8	H8	H8	H8	H8	H8	H8	H8	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	I10
Sample Name	H8_S3_6-8	H8_S4_8-10	H8_S5_10-12	H8_S7_12-14	H8_S8_14-16	H8_S9_16-18	H8_S10_18-20	H8_S11_20-22	H8_S12_22-24	H9_S1_0.5-4.5	H9_S2_6-8	H9_S3_8-10	H9_S5_5-14	H9_S4_10-12	H9_S6_12-14	H9_S7_14-16	H9_S8_16-18	H9_S9_18-20	H9_S10_20-22	H9_S11_22-24	H9_S12_24-26	I10_S1_7.0-8.7
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	02/27/2015
Lab Sample ID	133708-41	133708-42	133708-43	133708-44	133708-45	133708-46	133708-47	133736-40	133736-41	133736-51 133736-63 133736-73	133736-52	133736-53	133766-50 133766-61 133766-70 134055-1	133766-25	133766-26	133766-27	133766-28	133766-29	133766-30	133766-31	133766-32	15B0904-01
Sample Depth (bgs)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 4.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	5 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 8.7 (ft)
Sample Elevation (ft BCB)	12.7 to 10.7	10.7 to 8.7	8.7 to 6.7	6.7 to 4.7	4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3	-3.3 to -5.3	20.4 to 16.4	14.9 to 12.9	12.9 to 10.9	15.9 to 6.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	13.7 to 12
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-	ND (0.27)	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.052)	-	-	ND (0.068)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	0.4	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	0.97	-	-	0.48	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	0.8	-	-	0.53	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	1	-	-	0.72	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	0.4	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	0.36	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	1	-	-	0.56	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	1.8	-	-	0.84	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	0.46	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	1.2	-	-	0.48	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	1.6	-	-	0.86	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	9.13	-	-	5.33	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	H8									H9													I
Location Name	H8	H8	H8	H8	H8	H8	H8	H8	H8	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	H9	I10
Sample Name	H8_S3_6-8	H8_S4_8-10	H8_S5_10-12	H8_S7_12-14	H8_S8_14-16	H8_S9_16-18	H8_S10_18-20	H8_S11_20-22	H8_S12_22-24	H9_S1_0.5-4.5	H9_S2_6-8	H9_S3_8-10	H9_S5_5-14	H9_S4_10-12	H9_S6_12-14	H9_S7_14-16	H9_S8_16-18	H9_S9_18-20	H9_S10_20-22	H9_S11_22-24	H9_S12_24-26	I10_S1_7.0-8.7
Sample Date	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/07/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/08/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	02/27/2015
Lab Sample ID	133708-41	133708-42	133708-43	133708-44	133708-45	133708-46	133708-47	133736-40	133736-41	133736-51 133736-63 133736-73	133736-52	133736-53	133766-50 133766-61 133766-70 134055-1	133766-25	133766-26	133766-27	133766-28	133766-29	133766-30	133766-31	133766-32	15B0904-01
Sample Depth (bgs)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 4.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	5 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	7 - 8.7 (ft)
Sample Elevation (ft BCB)	12.7 to 10.7	10.7 to 8.7	8.7 to 6.7	6.7 to 4.7	4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3	-3.3 to -5.3	20.4 to 16.4	14.9 to 12.9	12.9 to 10.9	15.9 to 6.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1	13.7 to 12
Total Petroleum Hydrocarbons (mg/kg)																							
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																							
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	150	-	-	39	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	130	-	-	ND (34)	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (33)	-	-	ND (34)	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																							
Antimony	-	-	-	-	-	-	-	-	-	1.9	-	-	1.9	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	3.5	-	-	7.9	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	42	-	-	210	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	0.85	-	-	1.2	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	18	-	-	25	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	55	-	-	870	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	0.21	-	-	0.46	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	12	-	-	22	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	ND (6)	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	ND (6)	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	22	-	-	41	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	63	-	-	180	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																							
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																							
Aroclor-1016 (PCB-1016)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1221 (PCB-1221)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1232 (PCB-1232)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1242 (PCB-1242)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1248 (PCB-1248)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	5.4
Aroclor-1254 (PCB-1254)	17	1.4	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	0.063	51	-	0.1	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	12
Aroclor-1260 (PCB-1260)	13	1	0.41	0.44	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	32	-	0.083	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	11
Aroclor-1262 (PCB-1262)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
Aroclor-1268 (PCB-1268)	ND (2.4)	ND (0.44)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (4.4)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (2.3)
SUM of PCBs	30	2.4	0.41	0.44	ND	ND	ND	ND	ND	-	0.063	83	-	0.183	ND	ND	ND	ND	ND	ND	ND	28.4
Other																							
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	8	-	-	8.5	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																							
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	1.5	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.3)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	I10	I11	I12										I13							
Location Name	I10	I11	I12	I12	I12	I12	I12	I12	I12	I12	I12A	I12A	I13	I13	I13	I13	I13	I13A	I13A	I14
Sample Name	I10_S2_8.7-10.7	I11_S2_8.9-10.9	I12_S1_0.5-5.5	X12_S1_0.5-5.5	I12_S2_6.5-7.8	I12_S3_8.5-10.5	X12_S3_8.5-10.5	I12_S4_10.5-12.5	I12_S5_12.5-14.5	I12_S6_14.5-16.5	I12A_S1_6.5-8.9	I12A_S2_6.9-8.9	I13_S1_0.9-2.9	I13_S2_2.9-4.5	I13_S3_4.9-6.9	I13_S4_6.9-7.9	I13_S5_8.9-10.9	I13A_S1_6.5-8.9	I13A_S2_6.9-8.9	I14_S1_0.5-4.8
Sample Date	02/27/2015	02/27/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/26/2015	01/26/2015	06/23/2010
Lab Sample ID	15B0904-02	15B0901-02	139155-9	139155-10	139155-11	139155-12	139155-13	139155-14	139155-15	139155-16	15A0850-01	15A0850-02	139017-11	139017-12	139017-13	139017-14	139017-15	15A0847-01	15B0271-01	134231-1 134231-38 134231-45
Sample Depth (bgs)	8.7 - 10.7 (ft)	8.9 - 10.9 (ft)	0.5 - 5.5 (ft)	0.5 - 5.5 (ft)	6.5 - 7.8 (ft)	8.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.5 (ft)	4.9 - 6.9 (ft)	6.9 - 7.9 (ft)	8.9 - 10.9 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	0.5 - 4.8 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 10	20 to 15	20 to 15	14 to 12.7	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	14.4 to 12	14 to 12	20 to 18	18 to 16.4	16 to 14	14 to 13	12 to 10	14.4 to 12	14 to 12	20.5 to 16.2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	-	-	ND (0.0031)	-	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	-	-	ND (0.0031)	-	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.094)	-	-	-	-	-	-	ND (0.076)	-	ND (0.2)
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	-	-	ND (0.0031)	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	0.0024	-	ND (0.005)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	-	-	ND (0.0031)	-	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	-	-	-	ND (0.0031)	-	ND (0.005)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.0094)	-	-	-	-	-	-	ND (0.0076)	-	ND (0.05)
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.0094)	-	-	-	-	-	-	ND (0.0076)	-	0.006
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0031)	-	ND (0.005)
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	-	-	-	ND (0.0015)	-	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	0.0024	-	0.006
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	0.19	-	-	-	-	-	-	0.33	-	ND (0.33)
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Acenaphthene	-	-	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-	0.41	-	ND (0.33)
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	ND (0.18)	-	ND (0.33)
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Anthracene	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	0.68	-	ND (0.33)
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	1.3	-	0.73
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1.1	-	0.68
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	1.3	-	0.95
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	0.58	-	ND (0.33)
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.91	-	-	-	-	-	-	0.5	-	0.36
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	0.4	-	ND (0.33)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)
Chrysene	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	1.3	-	0.75
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	0.29	-	-	-	-	-	-	ND (0.18)	-	ND (0.33)
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	0.4	-	ND (0.33)
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.73)	-	-	-	-	-	-	ND (0.72)	-	ND (0.33)
Fluoranthene	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	3.3	-	1.4
Fluorene	-	-	-	-	-	-	-	-	-	-	0.55	-	-	-	-	-	-	0.39	-	ND (0.33)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	0.69	-	ND (0.33)
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Naphthalene	-	-	-	-	-	-	-	-	-	-	0.46	-	-	-	-	-	-	1.1	-	0.33
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)
Phenanthrene	-	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	3.1	-	0.98
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)
Pyrene	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	3	-	1.3
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	29.35	-	-	-	-	-	-	19.88	-	7.48

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	I10	I11	I12										I13							
Location Name	I10	I11	I12	I12	I12	I12	I12	I12	I12	I12	I12A	I12A	I13	I13	I13	I13	I13	I13A	I13A	I14
Sample Name	I10_S2_8.7-10.7	I11_S2_8.9-10.9	I12_S1_0.5-5.5	X12_S1_0.5-5.5	I12_S2_6.5-7.8	I12_S3_8.5-10.5	X12_S3_8.5-10.5	I12_S4_10.5-12.5	I12_S5_12.5-14.5	I12_S6_14.5-16.5	I12A_S1_6.5-8.9	I12A_S2_6.9-8.9	I13_S1_0.9-2.9	I13_S2_2.9-4.5	I13_S3_4.9-6.9	I13_S4_6.9-7.9	I13_S5_8.9-10.9	I13A_S1_6.5-8.9	I13A_S2_6.9-8.9	I14_S1_0.5-4.8
Sample Date	02/27/2015	02/27/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/06/2011	01/26/2015	01/26/2015	06/23/2010
Lab Sample ID	15B0904-02	15B0901-02	139155-9	139155-10	139155-11	139155-12	139155-13	139155-14	139155-15	139155-16	15A0850-01	15A0850-02	139017-11	139017-12	139017-13	139017-14	139017-15	15A0847-01	15B0271-01	134231-1 134231-38 134231-45
Sample Depth (bgs)	8.7 - 10.7 (ft)	8.9 - 10.9 (ft)	0.5 - 5.5 (ft)	0.5 - 5.5 (ft)	6.5 - 7.8 (ft)	8.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.5 (ft)	4.9 - 6.9 (ft)	6.9 - 7.9 (ft)	8.9 - 10.9 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	0.5 - 4.8 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 10	20 to 15	20 to 15	14 to 12.7	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	14.4 to 12	14 to 12	20 to 18	18 to 16.4	16 to 14	14 to 13	12 to 10	14.4 to 12	14 to 12	20.5 to 16.2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	500	-	-	-	-	-	-	230	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (31)
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Arsenic	-	-	-	-	-	-	-	-	-	-	ND (2.7)	-	-	-	-	-	-	3.4	-	ND (3.2)
Barium	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	72	-	48
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.32)
Cadmium	-	-	-	-	-	-	-	-	-	-	ND (0.27)	-	-	-	-	-	-	0.68	-	0.96
Chromium	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	8.9	-	19
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	61	-	69
Mercury	-	-	-	-	-	-	-	-	-	-	0.094	-	-	-	-	-	-	0.12	-	0.27
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Selenium	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	-	-	-	-	-	ND (5.1)	-	ND (5.3)
Silver	-	-	-	-	-	-	-	-	-	-	ND (0.55)	-	-	-	-	-	-	ND (0.51)	-	ND (1.1)
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.3)
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (2.1)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.043)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (2.1)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.043)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (2.1)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.043)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (2.1)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.043)
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (2.1)	0.82	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	0.14	0.51	0.6	ND (0.044)	ND (0.042)	ND (0.047)	-	0.41	0.92
Aroclor-1254 (PCB-1254)	0.37	ND (2.1)	ND (0.044)	0.97	35	0.6	1.9	0.32	1.3	ND (0.052)	-	0.17	ND (0.044)	ND (0.043)	0.12	0.65	ND (0.047)	-	0.54	ND (0.043)
Aroclor-1260 (PCB-1260)	0.67	14	0.38	0.39	23	0.38	1.2	0.2	0.75	ND (0.052)	-	0.11	0.17	0.16	0.075	0.34	ND (0.047)	-	0.29	0.18
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (2.1)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.043)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (2.1)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	ND (0.046)	ND (0.052)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.042)	ND (0.047)	-	ND (0.11)	ND (0.043)
SUM of PCBs	1.04	14	1.2	1.36	58	0.98	3.1	0.52	2.05	ND	-	0.42	0.68	0.76	0.195	0.99	ND	-	1.24	1.1
Other																				
Percent Solids, vol. (%wt)	91.7	93.2	-	-	-	-	-	-	-	-	91.4	92.4	-	-	-	-	-	93.6	93.4	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-	-	ND (4)	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (19)	-	-	-	-	-	-	ND (20)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	86	-	-	-	-	-	-	100	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	NI	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	11	-	8.5
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	I14											I15								
Location Name	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I15	I15	I15	I15	I15	I15	I15	I15	I15
Sample Name	I14_S2_6-6.9	I14_S7_6-16	I14_S3_9-9.2	I14_S4_9.5-11	I14_S5_11-13	I14_S6_13-15	I14_S8_15-17	I14_S9_17-19	I14_S10_19-21	I14_S11_21-23	I14_S12_23-25	I15_S1_0.6-4.8	I15_S3_5.2-10.0	I15_S2_6.6-8.6	I15_S4_8.6-10.6	I15_S5_10.6-12.6	I15_S6_12.6-14.6	I15_S7_14.6-16.6	I15_S8_16.6-18.6	I15_S9_18.6-20.6
Sample Date	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010
Lab Sample ID	134231-2	134231-39 134231-46 134231-7	134231-3	134231-4	134231-5	134231-6	134231-8	134231-9	134231-10	134231-11	134231-12	134231-13 134231-40 134231-47	134231-15 134231-41 134231-48	134231-14	134231-16	134231-17	134231-18	134231-19	134231-20	134231-21
Sample Depth (bgs)	6 - 6.9 (ft)	6 - 16 (ft)	9 - 9.2 (ft)	9.5 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.6 - 4.8 (ft)	5.2 - 10 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)
Sample Elevation (ft BCB)	15 to 14.1	15 to 5	12 to 11.8	11.5 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	20.1 to 15.9	15.5 to 10.7	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Acetone	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.21)	ND (0.23)	-	-	-	-	-	-	-
Benzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Chlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	0.009	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Ethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Isopropylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
m,p-Xylenes	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Methylene chloride	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.054)	ND (0.056)	-	-	-	-	-	-	-
Naphthalene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
n-Propylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
o-Xylene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Styrene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Tetrachloroethene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Toluene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
Trichloroethene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	0.009	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
2-Methylnaphthalene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
2-Methylphenol	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
3&4-Methylphenol	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Acenaphthene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Acenaphthylene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Acetophenone	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Aniline	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Anthracene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Benzo(a)anthracene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Benzo(a)pyrene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	0.43	-	-	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Carbazole	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Chrysene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Dibenzofuran	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Diethyl phthalate	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Fluoranthene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	0.54	ND (0.34)	-	-	-	-	-	-	-
Fluorene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Isophorone	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Naphthalene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Phenanthrene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Phenol	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-	-	-	-	-	-	-
Pyrene	-	ND (0.35)	-	-	-	-	-	-	-	-	-	0.49	ND (0.34)	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	1.03	0.43	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	I14											I15								
Location Name	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I14	I15	I15	I15	I15	I15	I15	I15	I15	I15
Sample Name	I14_S2_6-6.9	I14_S7_6-16	I14_S3_9-9.2	I14_S4_9.5-11	I14_S5_11-13	I14_S6_13-15	I14_S8_15-17	I14_S9_17-19	I14_S10_19-21	I14_S11_21-23	I14_S12_23-25	I15_S1_0.6-4.8	I15_S3_5.2-10.0	I15_S2_6.6-8.6	I15_S4_8.6-10.6	I15_S5_10.6-12.6	I15_S6_12.6-14.6	I15_S7_14.6-16.6	I15_S8_16.6-18.6	I15_S9_18.6-20.6
Sample Date	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010
Lab Sample ID	134231-2	134231-39 134231-46 134231-7	134231-3	134231-4	134231-5	134231-6	134231-8	134231-9	134231-10	134231-11	134231-12	134231-13 134231-40 134231-47	134231-15 134231-41 134231-48	134231-14	134231-16	134231-17	134231-18	134231-19	134231-20	134231-21
Sample Depth (bgs)	6 - 6.9 (ft)	6 - 16 (ft)	9 - 9.2 (ft)	9.5 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.6 - 4.8 (ft)	5.2 - 10 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)
Sample Elevation (ft BCB)	15 to 14.1	15 to 5	12 to 11.8	11.5 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	20.1 to 15.9	15.5 to 10.7	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	ND (31)	-	-	-	-	-	-	-	-	-	120	63	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	40	-	-	-	-	-	-	-	-	-	130	74	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (31)	-	-	-	-	-	-	-	-	-	ND (33)	ND (32)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	ND (1.1)	-	-	-	-	-	-	-	-	-	1.3	ND (1.1)	-	-	-	-	-	-	-
Arsenic	-	ND (3.3)	-	-	-	-	-	-	-	-	-	ND (3.4)	ND (3.2)	-	-	-	-	-	-	-
Barium	-	28	-	-	-	-	-	-	-	-	-	26	11	-	-	-	-	-	-	-
Beryllium	-	ND (0.33)	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.32)	-	-	-	-	-	-	-
Cadmium	-	1.3	-	-	-	-	-	-	-	-	-	0.88	0.79	-	-	-	-	-	-	-
Chromium	-	7.7	-	-	-	-	-	-	-	-	-	16	14	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	24	-	-	-	-	-	-	-	-	-	26	61	-	-	-	-	-	-	-
Mercury	-	0.047	-	-	-	-	-	-	-	-	-	0.057	0.088	-	-	-	-	-	-	-
Nickel	-	ND (5.5)	-	-	-	-	-	-	-	-	-	11	ND (5.3)	-	-	-	-	-	-	-
Selenium	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.7)	ND (5.3)	-	-	-	-	-	-	-
Silver	-	ND (1.1)	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-
Thallium	-	ND (5.5)	-	-	-	-	-	-	-	-	-	ND (5.7)	ND (5.3)	-	-	-	-	-	-	-
Vanadium	-	13	-	-	-	-	-	-	-	-	-	29	12	-	-	-	-	-	-	-
Zinc	-	64	-	-	-	-	-	-	-	-	-	51	40	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
Aroclor-1221 (PCB-1221)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
Aroclor-1232 (PCB-1232)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
Aroclor-1242 (PCB-1242)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
Aroclor-1248 (PCB-1248)	ND (0.041)	-	0.52	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	0.24	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
Aroclor-1254 (PCB-1254)	ND (0.041)	-	ND (0.22)	0.055	ND (0.042)	0.17	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	0.25	-	ND (0.044)	0.29	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	0.074
Aroclor-1260 (PCB-1260)	ND (0.041)	-	0.47	ND (0.042)	ND (0.042)	0.13	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	0.18	-	0.14	0.2	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	0.061
Aroclor-1262 (PCB-1262)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
Aroclor-1268 (PCB-1268)	ND (0.041)	-	ND (0.22)	ND (0.042)	ND (0.042)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.055)	ND (0.061)	ND (0.044)	-	ND (0.044)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.057)
SUM of PCBs	ND	-	0.99	0.055	ND	0.3	ND	ND	ND	ND	ND	0.43	-	0.38	0.49	ND	ND	ND	ND	0.135
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	8.1	-	-	-	-	-	-	-	-	-	8.4	8.5	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1)	-	-	-	-	-	-	-	-	-	3	ND (1.7)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1)	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.7)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			I16																
Location Name	I15	I15	I16	I16	I16	I16	I16	I16	I16	I16	I16	I16	I16	I17	I17	I17	I17	I17	I17
Sample Name	I15_S10_20.6-22.6	I15_S11_22.6-24.6	I16_S1_0.9-4.4	I16_S2_4.8-6.4	I16_S4_4.8-12.4	I16_S3_6.4-8.4	I16_S5_8.4-10.4	I16_S6_12.4-14.4	I16_S7_14.4-16.4	I16_S8_16.4-18.4	I16_S9_20.4-22.4	I16_S10_22.4-24.0	I16_S11_24-24.4	I17_S1_0.3-4.3	I17_S2_4.6-6.3	I17_S3_6.3-8.3	I17_S7_4.6-14.3	I17_S4_8.3-10.3	I17_S5_10.3-12.3
Sample Date	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	07/21/2010	07/21/2010	07/21/2010	07/22/2010	07/22/2010	07/22/2010
Lab Sample ID	134231-22 134231-23		134231-27 134231-43 134231-50 134366-1	134231-28	134231-30 134231-44 134231-51 134366-2	134231-29	134231-31	134231-32	134231-33	134231-34	134231-35	134231-36	134231-37	134943-26 134943-33 134943-38 135123-1	134943-22	134943-23	134948-10 134948-11 134948-9	134948-1	134948-2
Sample Depth (bgs)	20.6 - 22.6 (ft)	22.6 - 24.6 (ft)	0.9 - 4.4 (ft)	4.8 - 6.4 (ft)	4.8 - 12.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24 (ft)	24 - 24.4 (ft)	0.3 - 4.3 (ft)	4.6 - 6.3 (ft)	6.3 - 8.3 (ft)	4.6 - 14.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)
Sample Elevation (ft BCB)	0.1 to -1.9	-1.9 to -3.9	19.5 to 16	15.6 to 14	15.6 to 8	14 to 12	12 to 10	8 to 6	6 to 4	4 to 2	0 to -2	-2 to -3.6	-3.6 to -4	20 to 16	15.7 to 14	14 to 12	15.7 to 6	12 to 10	10 to 8
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,2-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,3,5-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,3-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
1,4-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Acetone	-	-	ND (0.21)	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.2)	-	-
Benzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Chlorobenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Chloroform (Trichloromethane)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Ethylbenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Isopropylbenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
m,p-Xylenes	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Methyl Tert Butyl Ether	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Methylene chloride	-	-	ND (0.053)	-	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.05)	-	-	ND (0.05)	-	-
Naphthalene	-	-	ND (0.005)	-	0.011	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
n-Propylbenzene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
o-Xylene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Styrene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Tetrachloroethene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Toluene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
Trichloroethene	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-
SUM of Volatile Organic Compounds	-	-	ND	-	0.011	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
1,2-Dichlorobenzene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
1,3-Dichlorobenzene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
1,4-Dichlorobenzene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
2,4-Dimethylphenol	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
2,4-Dinitrotoluene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
2,6-Dinitrotoluene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
2-Chloronaphthalene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
2-Methylnaphthalene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
2-Methylphenol	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
3&4-Methylphenol	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Acenaphthene	-	-	ND (0.36)	-	2.4	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Acenaphthylene	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Acetophenone	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Aniline	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Anthracene	-	-	0.48	-	3.1	-	-	-	-	-	-	-	-	0.54	-	-	ND (0.37)	-	-
Benzo(a)anthracene	-	-	1.1	-	9.6	-	-	-	-	-	-	-	-	1.3	-	-	ND (0.37)	-	-
Benzo(a)pyrene	-	-	1	-	8.7	-	-	-	-	-	-	-	-	1.1	-	-	ND (0.37)	-	-
Benzo(b)fluoranthene	-	-	1.5	-	12	-	-	-	-	-	-	-	-	1.4	-	-	ND (0.37)	-	-
Benzo(g,h,i)perylene	-	-	ND (0.36)	-	4.7	-	-	-	-	-	-	-	-	0.44	-	-	ND (0.37)	-	-
Benzo(k)fluoranthene	-	-	0.63	-	4.9	-	-	-	-	-	-	-	-	0.52	-	-	ND (0.37)	-	-
bis(2-Ethylhexyl)phthalate	-	-	0.4	-	ND (1.7)	-	-	-	-	-	-	-	-	2	-	-	ND (0.37)	-	-
Butyl benzylphthalate	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Carbazole	-	-	ND (0.36)	-	3.2	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Chrysene	-	-	1.1	-	9.9	-	-	-	-	-	-	-	-	1.2	-	-	ND (0.37)	-	-
Dibenz(a,h)anthracene	-	-	ND (0.36)	-	1.7	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Dibenzofuran	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Diethyl phthalate	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Di-n-butylphthalate	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Di-n-octyl phthalate	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Fluoranthene	-	-	2.3	-	21	-	-	-	-	-	-	-	-	2.5	-	-	0.52	-	-
Fluorene	-	-	ND (0.36)	-	1.9	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Indeno(1,2,3-cd)pyrene	-	-	ND (0.36)	-	5.7	-	-	-	-	-	-	-	-	0.52	-	-	ND (0.37)	-	-
Isophorone	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Naphthalene	-	-	0.46	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
N-Nitrosodiphenylamine	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Phenanthrene	-	-	1.8	-	16	-	-	-	-	-	-	-	-	2.1	-	-	0.46	-	-
Phenol	-	-	ND (0.36)	-	ND (1.7)	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.37)	-	-
Pyrene	-	-	2.1	-	17	-	-	-	-	-	-	-	-	2.2	-	-	0.44	-	-
SUM of Semi-Volatile Organic Compounds	-	-	12.87	-	121.8	-	-	-	-	-	-	-	-	15.82	-	-	1.42	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			I16																
Location Name	I15	I15	I16	I16	I16	I16	I16	I16	I16	I16	I16	I16	I16	I17	I17	I17	I17	I17	I17
Sample Name	I15_S10_20.6-22.6	I15_S11_22.6-24.6	I16_S1_0.9-4.4	I16_S2_4.8-6.4	I16_S4_4.8-12.4	I16_S3_6.4-8.4	I16_S5_8.4-10.4	I16_S6_12.4-14.4	I16_S7_14.4-16.4	I16_S8_16.4-18.4	I16_S9_20.4-22.4	I16_S10_22.4-24.0	I16_S11_24-24.4	I17_S1_0.3-4.3	I17_S2_4.6-6.3	I17_S3_6.3-8.3	I17_S7_4.6-14.3	I17_S4_8.3-10.3	I17_S5_10.3-12.3
Sample Date	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	07/21/2010	07/21/2010	07/21/2010	07/22/2010	07/22/2010	07/22/2010
Lab Sample ID	134231-22 134231-23	134231-23	134231-27 134231-43 134231-50 134366-1	134231-28	134231-30 134231-44 134231-51 134366-2	134231-29	134231-31	134231-32	134231-33	134231-34	134231-35	134231-36	134231-37	134943-26 134943-33 134943-38 135123-1	134943-22	134943-23	134948-10 134948-11 134948-9	134948-1	134948-2
Sample Depth (bgs)	20.6 - 22.6 (ft)	22.6 - 24.6 (ft)	0.9 - 4.4 (ft)	4.8 - 6.4 (ft)	4.8 - 12.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24 (ft)	24 - 24.4 (ft)	0.3 - 4.3 (ft)	4.6 - 6.3 (ft)	6.3 - 8.3 (ft)	4.6 - 14.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)
Sample Elevation (ft BCB)	0.1 to -1.9	-1.9 to -3.9	19.5 to 16	15.6 to 14	15.6 to 8	14 to 12	12 to 10	8 to 6	6 to 4	4 to 2	0 to -2	-2 to -3.6	-3.6 to -4	20 to 16	15.7 to 14	14 to 12	15.7 to 6	12 to 10	10 to 8
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	100	-	740	-	-	-	-	-	-	-	-	230	-	-	120	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	150	-	1600	-	-	-	-	-	-	-	-	320	-	-	160	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (34)	-	37	-	-	-	-	-	-	-	-	43	-	-	ND (32)	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	2.2	-	3.9	-	-	-	-	-	-	-	-	ND (1.1)	-	-	1.3	-	-
Arsenic	-	-	ND (3.5)	-	ND (3.1)	-	-	-	-	-	-	-	-	ND (3.2)	-	-	ND (3.4)	-	-
Barium	-	-	84	-	62	-	-	-	-	-	-	-	-	59	-	-	50	-	-
Beryllium	-	-	ND (0.35)	-	ND (0.31)	-	-	-	-	-	-	-	-	ND (0.32)	-	-	ND (0.34)	-	-
Cadmium	-	-	1.5	-	4.7	-	-	-	-	-	-	-	-	1.8	-	-	3.8	-	-
Chromium	-	-	26	-	22	-	-	-	-	-	-	-	-	18	-	-	15	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	130	-	500	-	-	-	-	-	-	-	-	130	-	-	96	-	-
Mercury	-	-	0.53	-	0.52	-	-	-	-	-	-	-	-	0.44	-	-	0.42	-	-
Nickel	-	-	19	-	19	-	-	-	-	-	-	-	-	11	-	-	15	-	-
Selenium	-	-	ND (5.8)	-	ND (5.2)	-	-	-	-	-	-	-	-	ND (5.4)	-	-	ND (5.7)	-	-
Silver	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.1)	-	-
Thallium	-	-	ND (5.8)	-	ND (5.2)	-	-	-	-	-	-	-	-	7.9	-	-	6	-	-
Vanadium	-	-	31	-	43	-	-	-	-	-	-	-	-	24	-	-	23	-	-
Zinc	-	-	140	-	430	-	-	-	-	-	-	-	-	100	-	-	380	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	ND (0.3)	-	6.9	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.065)	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.065)	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.065)	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.065)	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.065)	0.97	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	5.1	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
Aroclor-1254 (PCB-1254)	ND (0.052)	ND (0.065)	ND (0.45)	16	-	15	0.12	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	6.2	3.3	-	0.19	ND (0.046)
Aroclor-1260 (PCB-1260)	ND (0.052)	ND (0.065)	ND (0.45)	13	-	8.7	0.071	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	4.7	2.4	-	0.15	ND (0.046)
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.065)	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.065)	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.043)	ND (0.052)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.064)	ND (0.86)	ND (0.85)	ND (0.43)	-	ND (0.046)	ND (0.046)
SUM of PCBs	ND	ND	0.97	29	-	23.7	0.191	ND	ND	ND	ND	ND	ND	5.1	10.9	5.7	-	0.34	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	8.2	-	8.5	-	-	-	-	-	-	-	-	7.1	-	-	7.4	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-	-	-	1.5	-	-	ND (1.3)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.3)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.3)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	I17						I18												I19	I1
Location Name	I17	I17	I17	I17	I17	I17	I18	I18	I18	I18	I18	I18	I18	I18	I18	I18	I18	I18	I19	I19
Sample Name	I17_S6_12.3-14.3	I17_S8_14.3-16.3	I17_S9_16.3-18.3	I17_S10_18.3-20.3	I17_S11_20.3-22.3	I17_S12_22.3-24.3	I18_S1_0.5-5	I18_S2_6-8	I18_S7_6-16	I18_S3_8-10	I18_S4_10-12	I18_S5_12-14	X18_S5_12-14	I18_S6_14-16	I18_S8_16-18	I18_S9_18-20	I18_S10_20-22	I18_S11_22-24	I19_S1_2.8-3.8	I19_S2_3.8-5.8
Sample Date	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	11/20/2015	11/20/2015
							138690-34		138690-45											
							138690-55		138690-56											
							138690-67		138690-68											
Lab Sample ID	134948-3	134948-4	134948-5	134948-6	134948-7	134948-8	138879-1	138690-13	138879-5	138690-14	138690-15	138690-16	138690-17	138690-18	138690-19	138690-20	138690-5	138690-6	15K1003-18	15K1003-19
Sample Depth (bgs)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	22.3 - 24.3 (ft)	0.5 - 5 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.8 - 3.8 (ft)	3.8 - 5.8 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	19.5 to 15	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	ND (2.7)	-	ND (0.24)	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	ND (1.1)	-	ND (0.06)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	0.64	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	ND (0.27)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	0.64	-	ND	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	ND (0.36)	-	0.67	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	ND (0.36)	-	1.6	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	0.8	-	2.5	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	0.77	-	2	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	1.1	-	2.4	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	ND (0.36)	-	0.87	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	0.39	-	0.78	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	0.84	-	2.3	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	ND (0.36)	-	0.47	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	1.7	-	5.3	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	ND (0.36)	-	0.85	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	ND (0.36)	-	1	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	1.2	-	5.4	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	1.4	-	5	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	8.2	-	31.14	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	I17						I18												I19	I1
Location Name	I17	I17	I17	I17	I17	I17	I18	I18	I18	I18	I18	I18	I18	I18	I18	I18	I18	I18	I19	I19
Sample Name	I17_S6_12.3-14.3	I17_S8_14.3-16.3	I17_S9_16.3-18.3	I17_S10_18.3-20.3	I17_S11_20.3-22.3	I17_S12_22.3-24.3	I18_S1_0.5-5	I18_S2_6-8	I18_S7_6-16	I18_S3_8-10	I18_S4_10-12	I18_S5_12-14	X18_S5_12-14	I18_S6_14-16	I18_S8_16-18	I18_S9_18-20	I18_S10_20-22	I18_S11_22-24	I19_S1_2.8-3.8	I19_S2_3.8-5.8
Sample Date	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	07/22/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	11/20/2015	11/20/2015
Lab Sample ID	134948-3	134948-4	134948-5	134948-6	134948-7	134948-8	138690-34 138690-55 138690-67 138879-1	138690-13	138690-45 138690-56 138690-68 138879-5	138690-14	138690-15	138690-16	138690-17	138690-18	138690-19	138690-20	138690-5	138690-6	15K1003-18	15K1003-19
Sample Depth (bgs)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	22.3 - 24.3 (ft)	0.5 - 5 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.8 - 3.8 (ft)	3.8 - 5.8 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	19.5 to 15	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	120	-	200	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	71	-	37	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	ND (22)	-	ND (24)	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	2.5	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	ND (3.5)	-	4.7	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	57	-	70	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	ND (0.35)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	1	-	1.7	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	14	-	24	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	310	-	140	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	0.16	-	3.8	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	11	-	16	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	ND (5.9)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	ND (1.2)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	ND (5.9)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	26	-	36	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	49	-	110	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	0.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)
Aroclor-1221 (PCB-1221)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)
Aroclor-1232 (PCB-1232)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)
Aroclor-1242 (PCB-1242)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)
Aroclor-1248 (PCB-1248)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	0.14	4.3
Aroclor-1254 (PCB-1254)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	0.11	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	6.7
Aroclor-1260 (PCB-1260)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	0.18	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	4.8
Aroclor-1262 (PCB-1262)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)
Aroclor-1268 (PCB-1268)	ND (0.053)	ND (0.051)	ND (0.055)	ND (0.051)	ND (0.052)	ND (0.048)	ND (0.045)	ND (0.049)	-	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.045)	ND (0.051)	ND (0.043)	ND (0.045)	ND (0.056)	ND (0.11)	ND (1.1)
SUM of PCBs	ND	ND	ND	ND	ND	ND	0.11	ND	-	0.18	ND	ND	ND	ND	ND	ND	ND	ND	0.14	15.8
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.3	89.7
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	6.8	-	7	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.2)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	ND (1.2)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.2)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	9		I3				I4				I5				I6				I		
Location Name	I19	I19	I3	I3	I3	I3	I4	I4	I4	I4	I5	I5	I5	I5	I6	I6	I6	I6	I7	I7	I7
Sample Name	I19_S3_5.8-7.8	I19_S4_7.8-9.8	I3_S1_0.7-1.7	I3_S2_1.7-3.7	I3_S3_3.7-5.7	I3_S4_5.7-7.7	I4_S1_1.1-2.1'	I4_S2_2.1-4.1'	I4_S3_4.1-6.1'	I4_S4_6.1-8.1'	I5_S1_0.9-1.9	I5_S2_1.9-3.9	I5_S3_3.9-5.9	I5_S4_5.9-7.9	I6_S1_0.9-1.9	I6_S2_1.9-3.9	I6_S3_3.9-5.9	I6_S4_5.9-7.9	I7_S1_0-6	I7_S3_0-2	I7_S4_2-4
Sample Date	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/26/2015	01/26/2015	01/26/2015
Lab Sample ID	15K1003-20	15K1005-01	15K0891-19	15K0891-20	15K0894-01	15K0894-02	15K0836-13	15K0836-14	15K0836-15	15K0836-16	15L0055-06	15L0055-07	15L0055-08	15L0055-09	15L0052-16	15L0052-17	15L0052-18	15L0052-19	15A0842-01	15A0842-03	15A0842-04
Sample Depth (bgs)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0 - 6 (ft)	0 - 2 (ft)	2 - 4 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 12	18 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.083)	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0033)	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0083)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0083)	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.82)	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.95	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	9		I3				I4				I5				I6				I		
Location Name	I19	I19	I3	I3	I3	I3	I4	I4	I4	I4	I5	I5	I5	I5	I6	I6	I6	I6	I7	I7	I7
Sample Name	I19_S3_5.8-7.8	I19_S4_7.8-9.8	I3_S1_0.7-1.7	I3_S2_1.7-3.7	I3_S3_3.7-5.7	I3_S4_5.7-7.7	I4_S1_1.1-2.1'	I4_S2_2.1-4.1'	I4_S3_4.1-6.1'	I4_S4_6.1-8.1'	I5_S1_0.9-1.9	I5_S2_1.9-3.9	I5_S3_3.9-5.9	I5_S4_5.9-7.9	I6_S1_0.9-1.9	I6_S2_1.9-3.9	I6_S3_3.9-5.9	I6_S4_5.9-7.9	I7_S1_0-6	I7_S3_0-2	I7_S4_2-4
Sample Date	11/20/2015	11/20/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	01/26/2015	01/26/2015	01/26/2015
Lab Sample ID	15K1003-20	15K1005-01	15K0891-19	15K0891-20	15K0894-01	15K0894-02	15K0836-13	15K0836-14	15K0836-15	15K0836-16	15L0055-06	15L0055-07	15L0055-08	15L0055-09	15L0052-16	15L0052-17	15L0052-18	15L0052-19	15A0842-01	15A0842-03	15A0842-04
Sample Depth (bgs)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	0 - 6 (ft)	0 - 2 (ft)	2 - 4 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 12	18 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.3)	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.63)	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1221 (PCB-1221)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1232 (PCB-1232)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1242 (PCB-1242)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1248 (PCB-1248)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	0.32	ND (0.11)	ND (0.11)	ND (0.11)	0.62	ND (0.11)	4.5	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1254 (PCB-1254)	ND (0.12)	ND (0.12)	40	0.27	ND (0.12)	ND (0.1)	0.24	0.16	ND (0.11)	ND (0.11)	0.52	ND (0.11)	6.2	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1260 (PCB-1260)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.26	ND (0.11)	4.8	0.14	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1262 (PCB-1262)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
Aroclor-1268 (PCB-1268)	ND (0.12)	ND (0.12)	ND (5.3)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.12)	ND (0.12)
SUM of PCBs	ND	ND	40	0.27	ND	ND	0.56	0.16	ND	ND	1.4	ND	15.5	0.14	ND	ND	ND	ND	-	ND	ND
Other																					
Percent Solids, vol. (%wt)	83.3	80.1	92.9	93.1	80.2	97.1	88.9	87.1	93.3	93.5	88.7	84.4	89.7	90.8	88.4	83.1	84.4	87.1	81.6	85.3	83.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.8)	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (19)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	7			I8						I9						J10	J11			
Location Name	I7	I7	I7	I8	I8	I8	I8	I8	I8	I9	I9	I9	I9A	I9A	I9A	J10	J11	J11	J11	J11
Sample Name	I7_S5_4-6	I7_S2_6-8	I7_S6_6-8	I8_S1_0.5-6.0	I8_S2_6.5-8.5	I8_S3_8.5-10.5	I8_S4_10.5-12.5	Y23_S1_4-6	I8_S5_12.5-14.5	I9_S1_8.5-10.5	I9_S2_10.5-12.5	I9_S3_12.5-14.5	I9A_S1_7.0-8.7	I9A_S3_7.0-8.7	I9A_S2_8.7-10.7	J10_S2_8-10	J11_S1_0.5-4.0	Z11_S1_0.5-4.0	J11_S4_8.5-10.5	J11_S5_10.5-12.5
Sample Date	01/26/2015	01/26/2015	01/26/2015	12/20/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/16/2010	12/16/2010	12/16/2010	02/26/2015	02/26/2015	02/26/2015	01/26/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011
Lab Sample ID	15A0842-05	15A0842-02	15A0842-06	138726-1	138733-1	138733-2	138733-3	138733-5	138733-4	138653-15	138653-16	138653-17	15B0849-01 15C0184-01	15B0849-03	15B0849-02	15A0881-02	139155-1	139155-8	139155-4	139155-5
Sample Depth (bgs)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	7 - 8.7 (ft)	7 - 8.7 (ft)	8.7 - 10.7 (ft)	8 - 10 (ft)	0.5 - 4 (ft)	0.5 - 4 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	12 to 10	18 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	12 to 10	10 to 8	8 to 6	13.5 to 11.8	13.5 to 11.8	11.8 to 9.8	12.5 to 10.5	20 to 16.5	20 to 16.5	12 to 10	10 to 8
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Acetone	-	ND (0.097)	-	-	-	-	-	-	-	-	-	-	ND (0.058)	-	ND (0.049)	-	-	-	-	-
Benzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Chlorobenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Ethylbenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Isopropylbenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
m,p-Xylenes	-	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.0039)	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-	ND (0.002)	-	-	-	-	-
Methylene chloride	-	ND (0.0097)	-	-	-	-	-	-	-	-	-	-	ND (0.0058)	-	ND (0.0049)	-	-	-	-	-
Naphthalene	-	ND (0.0097)	-	-	-	-	-	-	-	-	-	-	ND (0.0058)	-	ND (0.0049)	-	-	-	-	-
n-Propylbenzene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
o-Xylene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Styrene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Tetrachloroethene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Toluene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
Trichloroethene	-	ND (0.0019)	-	-	-	-	-	-	-	-	-	-	ND (0.0012)	-	ND (0.00098)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
2,4-Dimethylphenol	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
2-Chloronaphthalene	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
2-Methylnaphthalene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
2-Methylphenol	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
3&4-Methylphenol	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Acenaphthene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
Acenaphthylene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
Acetophenone	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Aniline	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Anthracene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
Benzo(a)anthracene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.39	-	ND (0.18)	-	-	-	-	-
Benzo(a)pyrene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.36	-	ND (0.18)	-	-	-	-	-
Benzo(b)fluoranthene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.41	-	ND (0.18)	-	-	-	-	-
Benzo(g,h,i)perylene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.21	-	ND (0.18)	-	-	-	-	-
Benzo(k)fluoranthene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Butyl benzylphthalate	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.42	-	ND (0.18)	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
Dibenzofuran	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Diethyl phthalate	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Di-n-butylphthalate	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Di-n-octyl phthalate	-	ND (3.4)	-	-	-	-	-	-	-	-	-	-	ND (0.74)	-	ND (0.73)	-	-	-	-	-
Fluoranthene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.76	-	ND (0.18)	-	-	-	-	-
Fluorene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.23	-	ND (0.18)	-	-	-	-	-
Isophorone	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Naphthalene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (0.18)	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	0.63	-	ND (0.18)	-	-	-	-	-
Phenol	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.37)	-	-	-	-	-
Pyrene	-	ND (0.86)	-	-	-	-	-	-	-	-	-	-	1.1	-	ND (0.18)	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	-	4.51	-	ND	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	7			I8						I9						J10	J11			
Location Name	I7	I7	I7	I8	I8	I8	I8	I8	I8	I9	I9	I9	I9A	I9A	I9A	J10	J11	J11	J11	J11
Sample Name	I7_S5_4-6	I7_S2_6-8	I7_S6_6-8	I8_S1_0.5-6.0	I8_S2_6.5-8.5	I8_S3_8.5-10.5	I8_S4_10.5-12.5	Y23_S1_4-6	I8_S5_12.5-14.5	I9_S1_8.5-10.5	I9_S2_10.5-12.5	I9_S3_12.5-14.5	I9A_S1_7.0-8.7	I9A_S3_7.0-8.7	I9A_S2_8.7-10.7	J10_S2_8-10	J11_S1_0.5-4.0	Z11_S1_0.5-4.0	J11_S4_8.5-10.5	J11_S5_10.5-12.5
Sample Date	01/26/2015	01/26/2015	01/26/2015	12/20/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/16/2010	12/16/2010	12/16/2010	02/26/2015	02/26/2015	02/26/2015	01/26/2015	01/13/2011	01/13/2011	01/13/2011	01/13/2011
Lab Sample ID	15A0842-05	15A0842-02	15A0842-06	138726-1	138733-1	138733-2	138733-3	138733-5	138733-4	138653-15	138653-16	138653-17	15B0849-01 15C0184-01	15B0849-03	15B0849-02	15A0881-02	139155-1	139155-8	139155-4	139155-5
Sample Depth (bgs)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	7 - 8.7 (ft)	7 - 8.7 (ft)	8.7 - 10.7 (ft)	8 - 10 (ft)	0.5 - 4 (ft)	0.5 - 4 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	12 to 10	18 to 12.5	12 to 10	10 to 8	8 to 6	8 to 6	6 to 4	12 to 10	10 to 8	8 to 6	13.5 to 11.8	13.5 to 11.8	11.8 to 9.8	12.5 to 10.5	20 to 16.5	20 to 16.5	12 to 10	10 to 8
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	1400	-	-	-	-	-	-	-	-	-	-	230	-	22	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	76	-	-	-	-	-	-	-	-	-	-	ND (2.8)	-	ND (2.8)	-	-	-	-	-
Barium	-	33	-	-	-	-	-	-	-	-	-	-	48	-	24	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	2.2	-	-	-	-	-	-	-	-	-	-	0.95	-	0.6	-	-	-	-	-
Chromium	-	5.3	-	-	-	-	-	-	-	-	-	-	10	-	10	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	53	-	-	-	-	-	-	-	-	-	-	130	-	18	-	-	-	-	-
Mercury	-	0.065	-	-	-	-	-	-	-	-	-	-	2.8	-	0.036	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (5.1)	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (5.5)	-	-	-	-	-
Silver	-	ND (0.51)	-	-	-	-	-	-	-	-	-	-	ND (0.57)	-	ND (0.55)	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	0.35	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (1.4)	ND (0.046)	ND (0.045)	ND (5)	ND (0.047)
Aroclor-1221 (PCB-1221)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (1.4)	ND (0.046)	ND (0.045)	ND (5)	ND (0.047)
Aroclor-1232 (PCB-1232)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (1.4)	ND (0.046)	ND (0.045)	ND (5)	ND (0.047)
Aroclor-1242 (PCB-1242)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (1.4)	ND (0.046)	ND (0.045)	ND (5)	ND (0.047)
Aroclor-1248 (PCB-1248)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	0.19	-	ND (1.4)	0.51	0.24	ND (5)	ND (0.047)
Aroclor-1254 (PCB-1254)	ND (0.12)	-	ND (0.11)	0.081	ND (0.044)	0.09	ND (0.052)	ND (0.052)	ND (0.053)	0.26	ND (0.043)	ND (0.052)	-	0.25	-	4.3	ND (0.046)	ND (0.045)	ND (5)	3.7
Aroclor-1260 (PCB-1260)	ND (0.12)	-	ND (0.11)	0.053	0.39	0.16	ND (0.052)	ND (0.052)	ND (0.053)	0.24	ND (0.043)	ND (0.052)	-	0.14	-	5.1	0.26	0.14	27	2.2
Aroclor-1262 (PCB-1262)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (1.4)	ND (0.046)	ND (0.045)	ND (5)	ND (0.047)
Aroclor-1268 (PCB-1268)	ND (0.12)	-	ND (0.11)	ND (0.049)	ND (0.044)	ND (0.046)	ND (0.052)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.043)	ND (0.052)	-	ND (0.11)	-	ND (1.4)	ND (0.046)	ND (0.045)	ND (5)	ND (0.047)
SUM of PCBs	ND	-	ND	0.134	0.39	0.25	ND	ND	ND	0.5	ND	ND	-	0.58	-	9.4	0.77	0.38	27	5.9
Other																				
Percent Solids, vol. (%wt)	80.5	97.9	88.7	-	-	-	-	-	-	-	-	-	90.7	91.6	92.1	70.2	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (4)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (3.9)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (20)	-	-	-	-	-	-	-	-	-	-	ND (19)	-	ND (19)	-	-	-	-	-
Oxidation reduction potential (mv)	-	71	-	-	-	-	-	-	-	-	-	-	100	-	82	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	NI	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	-	9.8	-	-	-	-	-	-	-	-	-	-	8.6	-	8.4	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			J12			J13							J14						
Location Name	J11	J11	J12	J12	J12	J13	J13	J13	J13	J13	J13	J13A	J14	J14	J14	J14	J14	J14	J14
Sample Name	J11_S6_12.5-14.5	J11_S7_14.5-16.5	J12_S1_0.5-4.2	J12_S5_10.5-12.5	J12_S6_12.5-14.5	J13_S1_4.5-5.5	J13_S2_6.5-8.5	Y25_S1_4-6	J13_S3_8.5-10.5	J13_S4_10.5-12.5	J13_S5_12.5-14.5	J13A_S1_5-8.5	J14_S1_0.4-4.6	J14_S5_5-10.6	J14_S3_7-8.6	J14_S4_8.6-10.6	J14_S6_12.6-14.6	J14_S7_14.6-16.6	J14_S8_16.6-18.6
Sample Date	01/13/2011	01/13/2011	12/22/2010	12/22/2010	12/22/2010	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/26/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	139155-6	139155-7	138765-10	138765-14	138765-15	138980-5	138980-6	138980-10	138980-7	138980-8	138980-9	15A0851-01	134271-58 134271-73 134271-84	134271-63 134271-74 134271-85 134440-12 134440-8	134271-47	134271-48	134271-49	134271-50	134271-51
Sample Depth (bgs)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	0.5 - 4.2 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	4.5 - 5.5 (ft)	6.5 - 8.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	5 - 8.5 (ft)	0.4 - 4.6 (ft)	5 - 10.6 (ft)	7 - 8.6 (ft)	8.6 - 10.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	20 to 16.3	10 to 8	8 to 6	16.1 to 15.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.6 to 12.1	20.2 to 16	15.6 to 10	13.6 to 12	12 to 10	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0045)	ND (0.005)	ND (0.006)	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0045)	ND (0.005)	ND (0.006)	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	0.0031	ND (0.005)	ND (0.006)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	ND (0.11)	ND (0.2)	ND (0.26)	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0045)	ND (0.005)	ND (0.006)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	0.0029	ND (0.005)	0.008	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	ND (0.0045)	ND (0.005)	ND (0.006)	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	ND (0.0045)	ND (0.005)	ND (0.006)	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	ND (0.011)	ND (0.05)	ND (0.064)	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	0.015	ND (0.005)	ND (0.006)	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0045)	ND (0.005)	ND (0.006)	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	0.0029	ND (0.005)	ND (0.006)	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.005)	ND (0.006)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	0.0239	ND	0.008	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.71)	ND (0.76)	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	0.34	ND (0.35)	ND (0.38)	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	0.44	ND (0.35)	ND (0.38)	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	ND (0.22)	ND (0.35)	ND (0.38)	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	ND (0.22)	ND (0.35)	ND (0.38)	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	0.45	ND (0.35)	ND (0.38)	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	1.1	0.63	0.59	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	0.92	0.56	0.47	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	1.1	0.85	0.8	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	0.53	ND (0.35)	ND (0.38)	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	0.44	ND (0.35)	ND (0.38)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	0.9	0.47	0.63	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	1.2	0.65	0.62	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	ND (0.22)	ND (0.35)	ND (0.38)	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	ND (0.86)	ND (0.35)	ND (0.38)	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	2.7	1.4	1.5	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	0.25	ND (0.35)	ND (0.38)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	0.56	ND (0.35)	ND (0.38)	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	1.2	ND (0.35)	ND (0.38)	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	2	1.2	1.3	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	ND (0.44)	ND (0.35)	ND (0.38)	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	2.6	1.2	1.3	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	16.73	6.96	7.21	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			J12			J13							J14						
Location Name	J11	J11	J12	J12	J12	J13	J13	J13	J13	J13	J13	J13A	J14	J14	J14	J14	J14	J14	J14
Sample Name	J11_S6_12.5-14.5	J11_S7_14.5-16.5	J12_S1_0.5-4.2	J12_S5_10.5-12.5	J12_S6_12.5-14.5	J13_S1_4.5-5.5	J13_S2_6.5-8.5	Y25_S1_4-6	J13_S3_8.5-10.5	J13_S4_10.5-12.5	J13_S5_12.5-14.5	J13A_S1_5-8.5	J14_S1_0.4-4.6	J14_S5_5-10.6	J14_S3_7-8.6	J14_S4_8.6-10.6	J14_S6_12.6-14.6	J14_S7_14.6-16.6	J14_S8_16.6-18.6
Sample Date	01/13/2011	01/13/2011	12/22/2010	12/22/2010	12/22/2010	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/26/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	139155-6	139155-7	138765-10	138765-14	138765-15	138980-5	138980-6	138980-10	138980-7	138980-8	138980-9	15A0851-01	134271-58 134271-73 134271-84	134271-63 134271-74 134271-85 134440-12 134440-8	134271-47	134271-48	134271-49	134271-50	134271-51
Sample Depth (bgs)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	0.5 - 4.2 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	4.5 - 5.5 (ft)	6.5 - 8.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	5 - 8.5 (ft)	0.4 - 4.6 (ft)	5 - 10.6 (ft)	7 - 8.6 (ft)	8.6 - 10.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	20 to 16.3	10 to 8	8 to 6	16.1 to 15.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	15.6 to 12.1	20.2 to 16	15.6 to 10	13.6 to 12	12 to 10	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	410	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	100	150	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	150	110	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	ND (32)	ND (34)	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	17	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	ND (3.2)	ND (3.3)	4.2	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	88	26	130	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.35)	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	0.4	0.75	5.5	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	17	13	39	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	88	37	1000	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	0.093	0.33	4.9	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	6.7	27	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	ND (6.4)	ND (5.6)	ND (5.8)	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	ND (0.64)	ND (1.1)	ND (1.2)	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (5.8)	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	16	58	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	49	540	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.049)	ND (0.049)	ND (0.045)	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Aroclor-1221 (PCB-1221)	ND (0.049)	ND (0.049)	ND (0.045)	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Aroclor-1232 (PCB-1232)	ND (0.049)	ND (0.049)	ND (0.045)	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Aroclor-1242 (PCB-1242)	ND (0.049)	ND (0.049)	ND (0.045)	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Aroclor-1248 (PCB-1248)	ND (0.049)	ND (0.049)	0.88	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	0.29	-	5.2	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Aroclor-1254 (PCB-1254)	ND (0.049)	ND (0.049)	ND (0.045)	5.9	1.1	25	25	16	0.16	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	0.79	0.23	0.17	ND (0.052)
Aroclor-1260 (PCB-1260)	ND (0.049)	ND (0.049)	0.33	3.3	0.74	15	21	13	0.13	ND (0.077)	ND (0.049)	-	0.1	-	2.5	0.51	0.15	0.13	ND (0.052)
Aroclor-1262 (PCB-1262)	ND (0.049)	ND (0.049)	ND (0.045)	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Aroclor-1268 (PCB-1268)	ND (0.049)	ND (0.049)	ND (0.045)	ND (1.3)	ND (0.048)	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	ND (0.049)	-	ND (0.044)	-	ND (1)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
SUM of PCBs	ND	ND	1.21	9.2	1.84	40	46	29	0.29	ND	ND	-	0.39	-	7.7	1.3	0.38	0.3	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	77.5	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	ND (50)	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	ND (20)	ND (100)	ND (100)	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	110	-	400	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	11	7.3	7.5	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	1.7	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	2.9	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.6)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				J15														
Location Name	J14	J14	J14	J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J16	J16	J16
Sample Name	J14_S9_18.6-20.6	J14_S10_20.6-22.6	J14_S11_22.6-24.6	J15_S1_0.5-4.5	J15_S2_4.5-6.5	J15_S3_6.5-8.5	J15_S4_4.5-10.5	J15_S5_8.5-10.5	J15_S6_10.5-12.5	J15_S7_12.5-14.5	J15_S8_14.5-16.5	J15_S9_16.5-18.5	J15_S10_18.5-20.5	J15_S11_20.5-22.5	J15_S12_22.5-24.5	J16_S1_0.6-3.0	J16_S6_3.4-10.0	J16_S4_8.2-10.0
Sample Date	06/24/2010	06/24/2010	06/24/2010	06/23/2010	06/23/2010	06/23/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	134271-52	134271-39	134271-40	134231-24 134231-42 134231-49	134231-25	134231-26	134271-61 134271-68 134271-79 134440-6	134271-23	134271-24	134271-25	134271-26	134271-27	134271-28	134271-29	134271-30	134271-53 134271-64 134271-75	134271-59 134271-65 134271-76 134440-10 134440-4	134271-3
Sample Depth (bgs)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24.6 (ft)	0.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	4.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.6 - 3 (ft)	3.4 - 10 (ft)	8.2 - 10 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	20 to 16	16 to 14	14 to 12	16 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	19.6 to 17.2	16.8 to 10.2	12 to 10.2
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,2-Dichlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,3-Dichlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
1,4-Dichlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Acetone	-	-	-	ND (0.25)	-	-	ND (0.23)	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.25)	-
Benzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Chlorobenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Chloroform (Trichloromethane)	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Ethylbenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Isopropylbenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
m,p-Xylenes	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Methyl Tert Butyl Ether	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Methylene chloride	-	-	-	ND (0.064)	-	-	ND (0.057)	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.061)	-
Naphthalene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	0.01	ND (0.006)	-
n-Propylbenzene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
o-Xylene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Styrene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Tetrachloroethene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Toluene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
Trichloroethene	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-
SUM of Volatile Organic Compounds	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-	-	0.01	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
1,2-Dichlorobenzene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
1,3-Dichlorobenzene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
1,4-Dichlorobenzene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
2,4-Dimethylphenol	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
2,4-Dinitrotoluene	-	-	-	ND (0.35)	-	-	ND (0.73)	-	-	-	-	-	-	-	-	ND (0.79)	ND (3.8)	-
2,6-Dinitrotoluene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
2-Chloronaphthalene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
2-Methylnaphthalene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
2-Methylphenol	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
3&4-Methylphenol	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Acenaphthene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Acenaphthylene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Acetophenone	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Aniline	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Anthracene	-	-	-	0.39	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Benzo(a)anthracene	-	-	-	0.93	-	-	0.52	-	-	-	-	-	-	-	-	0.7	5.3	-
Benzo(a)pyrene	-	-	-	0.81	-	-	0.49	-	-	-	-	-	-	-	-	0.65	5.1	-
Benzo(b)fluoranthene	-	-	-	1.2	-	-	0.87	-	-	-	-	-	-	-	-	0.88	8.2	-
Benzo(g,h,i)perylene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Benzo(k)fluoranthene	-	-	-	0.47	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	3	-
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.35)	-	-	0.47	-	-	-	-	-	-	-	-	0.54	2.7	-
Butyl benzylphthalate	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Carbazole	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Chrysene	-	-	-	0.97	-	-	0.58	-	-	-	-	-	-	-	-	0.69	5.6	-
Dibenz(a,h)anthracene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Dibenzofuran	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Diethyl phthalate	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Di-n-butylphthalate	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Di-n-octyl phthalate	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Fluoranthene	-	-	-	2.1	-	-	1.2	-	-	-	-	-	-	-	-	1.5	10	-
Fluorene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Indeno(1,2,3-cd)pyrene	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	0.4	2	-
Isophorone	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Naphthalene	-	-	-	0.38	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
N-Nitrosodiphenylamine	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Phenanthrene	-	-	-	1.8	-	-	0.81	-	-	-	-	-	-	-	-	0.96	5.8	-
Phenol	-	-	-	ND (0.35)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	ND (0.39)	ND (1.9)	-
Pyrene	-	-	-	1.9	-	-	1	-	-	-	-	-	-	-	-	1.3	8.5	-
SUM of Semi-Volatile Organic Compounds	-	-	-	10.95	-	-	5.94	-	-	-	-	-	-	-	-	7.62	56.2	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				J15														
Location Name	J14	J14	J14	J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J15	J16	J16	J16
Sample Name	J14_S9_18.6-20.6	J14_S10_20.6-22.6	J14_S11_22.6-24.6	J15_S1_0.5-4.5	J15_S2_4.5-6.5	J15_S3_6.5-8.5	J15_S4_4.5-10.5	J15_S5_8.5-10.5	J15_S6_10.5-12.5	J15_S7_12.5-14.5	J15_S8_14.5-16.5	J15_S9_16.5-18.5	J15_S10_18.5-20.5	J15_S11_20.5-22.5	J15_S12_22.5-24.5	J16_S1_0.6-3.0	J16_S6_3.4-10.0	J16_S4_8.2-10.0
Sample Date	06/24/2010	06/24/2010	06/24/2010	06/23/2010	06/23/2010	06/23/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	134271-52	134271-39	134271-40	134231-24 134231-42 134231-49	134231-25	134231-26	134271-61 134271-68 134271-79 134440-6	134271-23	134271-24	134271-25	134271-26	134271-27	134271-28	134271-29	134271-30	134271-53 134271-64 134271-75	134271-59 134271-65 134271-76 134440-10 134440-4	134271-3
Sample Depth (bgs)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	22.6 - 24.6 (ft)	0.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	4.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.6 - 3 (ft)	3.4 - 10 (ft)	8.2 - 10 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	20 to 16	16 to 14	14 to 12	16 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	19.6 to 17.2	16.8 to 10.2	12 to 10.2
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	200	-	-	190	-	-	-	-	-	-	-	-	75	400	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	250	-	-	280	-	-	-	-	-	-	-	-	81	300	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (32)	-	-	ND (34)	-	-	-	-	-	-	-	-	ND (35)	54	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	ND (1)	-	-	ND (1.1)	-	-	-	-	-	-	-	-	1.3	67	-
Arsenic	-	-	-	ND (3.1)	-	-	ND (3.4)	-	-	-	-	-	-	-	-	ND (3.6)	8.7	-
Barium	-	-	-	41	-	-	100	-	-	-	-	-	-	-	-	51	630	-
Beryllium	-	-	-	ND (0.31)	-	-	ND (0.34)	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.34)	-
Cadmium	-	-	-	1	-	-	1.3	-	-	-	-	-	-	-	-	1.3	18	-
Chromium	-	-	-	14	-	-	13	-	-	-	-	-	-	-	-	23	73	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	-	-	-	58	-	-	180	-	-	-	-	-	-	-	-	71	8400	-
Mercury	-	-	-	0.22	-	-	0.29	-	-	-	-	-	-	-	-	0.5	7.1	-
Nickel	-	-	-	10	-	-	17	-	-	-	-	-	-	-	-	16	120	-
Selenium	-	-	-	ND (5.2)	-	-	ND (5.6)	-	-	-	-	-	-	-	-	ND (6.1)	ND (19)	-
Silver	-	-	-	ND (1)	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.1)	-
Thallium	-	-	-	ND (5.2)	-	-	ND (5.6)	-	-	-	-	-	-	-	-	ND (6.1)	ND (5.6)	-
Vanadium	-	-	-	19	-	-	26	-	-	-	-	-	-	-	-	32	200	-
Zinc	-	-	-	86	-	-	140	-	-	-	-	-	-	-	-	94	2700	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	170	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	ND (0.046)	-	ND (0.054)
Aroclor-1221 (PCB-1221)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	ND (0.046)	-	ND (0.054)
Aroclor-1232 (PCB-1232)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	ND (0.046)	-	ND (0.054)
Aroclor-1242 (PCB-1242)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	ND (0.046)	-	ND (0.054)
Aroclor-1248 (PCB-1248)	ND (0.051)	ND (0.052)	ND (0.053)	0.35	ND (0.046)	3.4	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	0.81	-	0.49
Aroclor-1254 (PCB-1254)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	0.14	ND (0.45)	-	0.12	ND (0.056)	0.063	ND (0.053)	ND (0.054)	0.067	0.074	ND (0.058)	ND (0.046)	-	ND (0.054)
Aroclor-1260 (PCB-1260)	ND (0.051)	ND (0.052)	ND (0.053)	0.088	0.056	1.7	-	0.074	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	0.056	ND (0.058)	0.36	-	0.25
Aroclor-1262 (PCB-1262)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	ND (0.046)	-	ND (0.054)
Aroclor-1268 (PCB-1268)	ND (0.051)	ND (0.052)	ND (0.053)	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.048)	ND (0.056)	ND (0.052)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.053)	ND (0.058)	ND (0.046)	-	ND (0.054)
SUM of PCBs	ND	ND	ND	0.438	0.196	5.1	-	0.194	ND	0.063	ND	ND	0.067	0.13	ND	1.17	-	0.74
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	-	165 >	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	8.3	-	-	8.3	-	-	-	-	-	-	-	-	7.1	7.1	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.2)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.6)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1.2)	-	-	7.5	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.6)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.2)	-	-	5.8	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.6)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	J16								J17										
Location Name	J16	J16	J16	J16	J16	J16	J16	J16A	J17	J17	J17	J17	J17	J17	J17	J17	J17	J17	J17
Sample Name	J16_S5_10.2-12.2	J16_S7_12.2-14.2	J16_S8_14.2-16.2	J16_S9_16.2-18.2	J16_S10_18.2-20.2	J16_S11_20.2-22.2	J16_S12_22.2-24.2	J16A_S1_3.4-10	J17_S1_0.9-3.8	J17_S2_4.1-6	J17_S7_4.1-11.4	J17_S3_6-8	J17_S4_8-10	J17_S5_10-12	J17_S6_12-14	J17_S8_14-16	J17_S9_16-18	J17_S10_18-20	J17_S11_20-22
Sample Date	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010
Lab Sample ID	134271-4	134271-5	134271-6	134271-7	134271-8	134271-9	134271-10	15B0057-01 15B0293-01	134943-25 134943-31 134943-36	134943-11	134943-28 134943-32 134943-37 135123-3 135123-5	134943-12	134943-13	134943-14	134943-15	134943-16	134943-17	134943-18	134943-19
Sample Depth (bgs)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	3.4 - 10 (ft)	0.9 - 3.8 (ft)	4.1 - 6 (ft)	4.1 - 11.4 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10.2	19.1 to 16.2	15.9 to 14	15.9 to 8.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	ND (0.064)	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	ND (0.0064)	ND (0.05)	-	ND (0.05)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	ND (0.0064)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	ND	ND	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	1.4	ND (0.36)	-	0.79	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	1.1	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	ND (0.4)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	0.45	ND (0.36)	-	0.58	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	ND (0.4)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	1.2	0.36	-	1.3	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	3.8	0.86	-	2.9	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	3.4	0.78	-	2.7	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	5.1	0.98	-	4.2	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	2.6	0.56	-	0.42	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	2.1	ND (0.36)	-	1.3	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	4	ND (0.36)	-	1.3	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.36)	-	0.58	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	4.2	0.8	-	3.1	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	0.5	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	0.49	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	7.9	1.7	-	6	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	0.46	ND (0.36)	-	0.59	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	2.2	0.53	-	0.65	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	1.1	ND (0.36)	-	0.77	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	4.6	1.4	-	5	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	7.1	1.6	-	4.9	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	53.21	9.57	-	37.57	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	J16								J17										
Location Name	J16	J16	J16	J16	J16	J16	J16	J16A	J17	J17	J17	J17	J17	J17	J17	J17	J17	J17	J17
Sample Name	J16_S5_10.2-12.2	J16_S7_12.2-14.2	J16_S8_14.2-16.2	J16_S9_16.2-18.2	J16_S10_18.2-20.2	J16_S11_20.2-22.2	J16_S12_22.2-24.2	J16A_S1_3.4-10	J17_S1_0.9-3.8	J17_S2_4.1-6	J17_S7_4.1-11.4	J17_S3_6-8	J17_S4_8-10	J17_S5_10-12	J17_S6_12-14	J17_S8_14-16	J17_S9_16-18	J17_S10_18-20	J17_S11_20-22
Sample Date	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010
Lab Sample ID	134271-4	134271-5	134271-6	134271-7	134271-8	134271-9	134271-10	15B0057-01 15B0293-01	134943-25 134943-31 134943-36	134943-11	134943-28 134943-32 134943-37 135123-3 135123-5	134943-12	134943-13	134943-14	134943-15	134943-16	134943-17	134943-18	134943-19
Sample Depth (bgs)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	3.4 - 10 (ft)	0.9 - 3.8 (ft)	4.1 - 6 (ft)	4.1 - 11.4 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 10.2	19.1 to 16.2	15.9 to 14	15.9 to 8.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	3400	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	140	-	540	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	130	-	600	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (32)	-	140	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	ND (1.1)	-	720	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	27	3.4	-	6.9	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	650	57	-	280	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.36)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	17	1.2	-	13	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	82	20	-	39	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	14000	92	-	9600	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	3	0.36	-	2.7	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	12	-	70	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	ND (12)	ND (5.6)	-	ND (6)	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	ND (0.59)	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (5.6)	-	18	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	25	-	140	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	130	-	1900	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	86	-	-	ND (0.3)	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	0.76	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.054)	ND (0.054)	0.074	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	200	-	27	0.24	ND (0.051)	0.78	ND (0.052)	0.077	ND (0.049)	ND (0.049)
Aroclor-1260 (PCB-1260)	ND (0.054)	0.063	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	200	-	20	0.18	ND (0.051)	0.59	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.063)	-	ND (0.44)	ND (47)	-	ND (5)	ND (0.069)	ND (0.051)	ND (0.052)	ND (0.052)	ND (0.057)	ND (0.049)	ND (0.049)
SUM of PCBs	ND	0.063	ND	0.074	ND	ND	ND	-	0.76	400	-	47	0.42	ND	1.37	ND	0.077	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	84.7	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	ND (4)	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	ND (20)	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	120	-	-	410	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	7.9	7.2	-	7.1	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	-	1.5	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				J18												J20				
Location Name	J17	J17	J17A	J18	J18	J18	J18	J18	J18	J18	J18	J18	J18A	J18A	J18A	J20	J20	J20	J20	J20
Sample Name	J17_S12_22-23.5	J17_S13_23.5-24	J17A_S1_4.1-11.4	J18_S1_1-4	J18_S2_8-8.9	J18_S3_10-12	J18_S4_12-14	J18_S5_16-18	J18_S6_18-20	J18_S7_20-22	J18_S8_22-24	J18_S9_24-26	J18A_S1_3.8-7.8	J18A_S2_3.8-5.8	J18A_S3_5.8-7.8	J20_S1_2.6-3.6	Z20_S1_2.6-3.6	J20_S2_3.6-5.6	J20_S3_5.6-7.6	J20_S4_7.6-9.6
Sample Date	07/21/2010	07/21/2010	01/22/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	02/03/2015	02/03/2015	02/03/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015
Lab Sample ID	134943-20	134943-21	15A0733-01 15A0918-01	134640-32 134640-39 134640-44	134640-22	134640-23	134640-24	134640-25	134640-26	134640-27	134640-28	134640-29	15B0055-01	15B0055-02	15B0442-01	15K1003-11	15K1003-17	15K1003-12	15K1003-13	15K1003-14
Sample Depth (bgs)	22 - 23.5 (ft)	23.5 - 24 (ft)	4.1 - 11.4 (ft)	1 - 4 (ft)	8 - 8.9 (ft)	10 - 12 (ft)	12 - 14 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	3.8 - 7.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	2.6 - 3.6 (ft)	2.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)
Sample Elevation (ft BCB)	-2 to -3.5	-3.5 to -4	16 to 8.700001	19 to 16	12 to 11.1	10 to 8	8 to 6	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	17 to 16	17 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	ND (0.0042)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.0042)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Acetone	-	-	ND (0.11)	ND (3.7)	-	-	-	-	-	-	-	-	ND (0.085)	-	-	-	-	-	-	-
Benzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Chlorobenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.0042)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Ethylbenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	ND (0.0042)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.0042)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	-	-
Methylene chloride	-	-	ND (0.011)	ND (1.5)	-	-	-	-	-	-	-	-	ND (0.0085)	-	-	-	-	-	-	-
Naphthalene	-	-	ND (0.011)	6.7	-	-	-	-	-	-	-	-	ND (0.0085)	-	-	-	-	-	-	-
n-Propylbenzene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
o-Xylene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Styrene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Toluene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
Trichloroethene	-	-	ND (0.0021)	ND (0.37)	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	ND	6.7	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	ND (0.19)	1.2	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
2-Methylphenol	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Acenaphthene	-	-	0.23	1.2	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Acenaphthylene	-	-	ND (0.19)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Acetophenone	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Aniline	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Anthracene	-	-	0.49	1.2	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	1	1.6	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	0.88	1.4	-	-	-	-	-	-	-	-	0.34	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	1	1.9	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	0.49	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	0.4	0.74	-	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (0.39)	14	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Carbazole	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	1	1.7	-	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	ND (0.19)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Dibenzofuran	-	-	ND (0.39)	1	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Diethyl phthalate	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	ND (0.76)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-	-	-
Fluoranthene	-	-	2.3	4	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-
Fluorene	-	-	0.22	1.1	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	0.49	0.39	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
Isophorone	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Naphthalene	-	-	0.29	2	-	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	2.1	5	-	-	-	-	-	-	-	-	0.76	-	-	-	-	-	-	-
Phenol	-	-	ND (0.39)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-
Pyrene	-	-	2.3	3.7	-	-	-	-	-	-	-	-	0.73	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	13.19	42.83	-	-	-	-	-	-	-	-	4.26	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				J18												J20				
Location Name	J17	J17	J17A	J18	J18	J18	J18	J18	J18	J18	J18	J18	J18A	J18A	J18A	J20	J20	J20	J20	J20
Sample Name	J17_S12_22-23.5	J17_S13_23.5-24	J17A_S1_4.1-11.4	J18_S1_1-4	J18_S2_8-8.9	J18_S3_10-12	J18_S4_12-14	J18_S5_16-18	J18_S6_18-20	J18_S7_20-22	J18_S8_22-24	J18_S9_24-26	J18A_S1_3.8-7.8	J18A_S2_3.8-5.8	J18A_S3_5.8-7.8	J20_S1_2.6-3.6	Z20_S1_2.6-3.6	J20_S2_3.6-5.6	J20_S3_5.6-7.6	J20_S4_7.6-9.6
Sample Date	07/21/2010	07/21/2010	01/22/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	02/03/2015	02/03/2015	02/03/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015
Lab Sample ID	134943-20	134943-21	15A0733-01 15A0918-01	134640-32 134640-39 134640-44	134640-22	134640-23	134640-24	134640-25	134640-26	134640-27	134640-28	134640-29	15B0055-01	15B0055-02	15B0442-01	15K1003-11	15K1003-17	15K1003-12	15K1003-13	15K1003-14
Sample Depth (bgs)	22 - 23.5 (ft)	23.5 - 24 (ft)	4.1 - 11.4 (ft)	1 - 4 (ft)	8 - 8.9 (ft)	10 - 12 (ft)	12 - 14 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	3.8 - 7.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	2.6 - 3.6 (ft)	2.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)
Sample Elevation (ft BCB)	-2 to -3.5	-3.5 to -4	16 to 8.700001	19 to 16	12 to 11.1	10 to 8	8 to 6	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	17 to 16	17 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	800	-	-	-	-	-	-	-	-	-	740	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	25	ND (3.3)	-	-	-	-	-	-	-	-	ND (3)	-	-	-	-	-	-	-
Barium	-	-	120	26	-	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-
Beryllium	-	-	-	ND (0.33)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	1.8	ND (0.55)	-	-	-	-	-	-	-	-	0.47	-	-	-	-	-	-	-
Chromium	-	-	18	13	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	560	51	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	-
Mercury	-	-	0.83	0.14	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-
Nickel	-	-	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (5.4)	ND (5.5)	-	-	-	-	-	-	-	-	ND (6)	-	-	-	-	-	-	-
Silver	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	ND (0.6)	-	-	-	-	-	-	-
Thallium	-	-	-	ND (5.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	0.49	ND (0.12)	0.63	0.29	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1254 (PCB-1254)	0.12	0.071	-	0.071	0.33	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	0.65	ND (0.12)	0.37	0.3	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1260 (PCB-1260)	0.084	0.064	-	ND (0.044)	0.28	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	0.18	0.15	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.051)	ND (0.062)	-	ND (0.044)	ND (0.046)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.057)	ND (0.05)	ND (0.059)	ND (0.07)	-	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)
SUM of PCBs	0.204	0.135	-	0.071	0.61	ND	ND	ND	ND	ND	ND	ND	-	1.14	ND	1.18	0.74	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	88.1	-	-	-	-	-	-	-	-	-	88.5	87.6	84.6	89.5	88.7	93.5	86.1	88.9
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (4)	ND (50)	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (20)	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	120	-	-	-	-	-	-	-	-	-	94	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	NI	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	7.3	7.2	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	J3				J4				J5				J6				J7					
Location Name	J3	J3	J3	J3	J4	J4	J4	J4	J5	J5	J5	J5	J6	J6	J6	J6	J7	J7	J7	J7	J7	J8
Sample Name	J3_S1_0.9-1.9	J3_S2_1.9-3.9	J3_S3_3.9-5.9	J3_S4_5.9-7.9	J4_S1_1.3-2.3'	J4_S2_2.3-4.3'	J4_S3_4.3-6.3'	J4_S4_6.3-8.3'	J5_S1_1.7-2.7'	J5_S2_2.7-4.7'	J5_S3_4.7-6.7'	J5_S4_6.7-8.7'	J6_S1_2.0-3.0	J6_S2_3-5.0	J6_S3_5-7.0	J6_S4_7-9.0	J7_S1_7.0-8.0	J7_S3_7-8	J7_S2_8-10	J7_S4_8-10	J7_S5_10-12	J8_S1_0-8
Sample Date	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/26/2015
Lab Sample ID	15K0891-01	15K0891-02	15K0891-03	15K0891-04	15K0836-07	15K0836-08	15K0836-09	15K0836-10	15K0837-18	15K0837-19	15K0837-20	15K0838-01	15K0898-20	15K0901-01	15K0901-02	15K0901-03	15C0148-01	15C0148-03	15C0148-02	15C0148-04	15C0528-01	15A0844-01 15B0011-01
Sample Depth (bgs)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	2 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	7 - 8 (ft)	7 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	0 - 8 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	11.1 to 10.1	11.1 to 10.1	10.1 to 8.1	10.1 to 8.1	8.1 to 6.1	20 to 12
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.054)	-	ND (0.053)	-	-	ND (0.064)
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0022)	-	ND (0.0021)	-	-	ND (0.0026)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0054)	-	ND (0.0053)	-	-	ND (0.0064)
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0054)	-	ND (0.0053)	-	-	ND (0.0064)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-	ND (0.0011)	-	-	ND (0.0013)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	0.63
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	2.7
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	ND (0.19)
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	5.2
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	7.7
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	7.4
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	7.3
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	4.1
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	3
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	-	ND (0.21)	-	-	7.2
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	1.1
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	1.7
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.82)	-	ND (0.83)	-	-	ND (0.75)
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47	-	0.38	-	-	19
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	2.4
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	5
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	1.3
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	0.33	-	-	17
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	ND (0.42)	-	-	ND (0.38)
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46	-	0.38	-	-	16
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67	-	1.09	-	-	108.73

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	J3				J4				J5				J6				J7					
Location Name	J3	J3	J3	J3	J4	J4	J4	J4	J5	J5	J5	J5	J6	J6	J6	J6	J7	J7	J7	J7	J7	J8
Sample Name	J3_S1_0.9-1.9	J3_S2_1.9-3.9	J3_S3_3.9-5.9	J3_S4_5.9-7.9	J4_S1_1.3-2.3'	J4_S2_2.3-4.3'	J4_S3_4.3-6.3'	J4_S4_6.3-8.3'	J5_S1_1.7-2.7'	J5_S2_2.7-4.7'	J5_S3_4.7-6.7'	J5_S4_6.7-8.7'	J6_S1_2.0-3.0	J6_S2_3-5.0	J6_S3_5-7.0	J6_S4_7-9.0	J7_S1_7.0-8.0	J7_S3_7-8	J7_S2_8-10	J7_S4_8-10	J7_S5_10-12	J8_S1_0-8
Sample Date	11/19/2015	11/19/2015	11/19/2015	11/19/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/19/2015	11/19/2015	11/19/2015	11/19/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	03/04/2015	01/26/2015
Lab Sample ID	15K0891-01	15K0891-02	15K0891-03	15K0891-04	15K0836-07	15K0836-08	15K0836-09	15K0836-10	15K0837-18	15K0837-19	15K0837-20	15K0838-01	15K0898-20	15K0901-01	15K0901-02	15K0901-03	15C0148-01	15C0148-03	15C0148-02	15C0148-04	15C0528-01	15A0844-01 15B0011-01
Sample Depth (bgs)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	2 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	7 - 8 (ft)	7 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	0 - 8 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	11.1 to 10.1	11.1 to 10.1	10.1 to 8.1	10.1 to 8.1	8.1 to 6.1	20 to 12
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	62	-	-	420
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	6.1	-	-	6.1
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	45	-	-	62
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	-	0.62	-	-	0.86
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	21	-	-	23
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	56	-	-	110
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	0.069	-	-	0.56
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (6.1)	-	-	ND (5.2)
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	ND (0.61)	-	-	ND (0.52)
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.085
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1248 (PCB-1248)	ND (0.11)	0.15	ND (0.12)	ND (0.1)	3.3	0.16	ND (0.1)	ND (0.11)	0.58	1.8	0.21	0.12	0.33	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1254 (PCB-1254)	0.17	0.25	ND (0.12)	ND (0.1)	2.3	0.18	ND (0.1)	ND (0.11)	0.53	1.1	0.43	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1260 (PCB-1260)	ND (0.11)	0.16	ND (0.12)	ND (0.1)	0.69	ND (0.11)	ND (0.1)	ND (0.11)	0.16	ND (0.44)	0.85	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.56)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.44)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	-	ND (0.12)	-	ND (0.11)	ND (0.12)	-
SUM of PCBs	0.17	0.56	ND	ND	6.29	0.34	ND	ND	1.27	2.9	1.49	0.12	0.33	ND	ND	ND	-	ND	-	ND	ND	-
Other																						
Percent Solids, vol. (%wt)	86.7	89.4	82.8	97.1	87.7	87.4	94.4	93.4	88.9	88.5	84.2	89.1	86.3	79.1	91	90.7	81.3	86	81	83.7	81.1	89.1
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	ND (4)	-	-	ND (3.9)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	ND (20)	-	-	ND (20)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-	86	-	-	91
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	NI
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	8.4	-	-	8.6
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	J8	J9				K10					K11									K12		K1
Location Name	J8A	J9	J9	J9	J9	K10	K10	K10	K10	K10	K11	K11	K11	K11	K11	K11	K11	K11	K11	K12	K12	K12
Sample Name	J8A_S1_9.8-11.8	J9_S1_6-8	J9_S3_6-8	J9_S2_8-10	J9_S4_8-10	K10_S1_4-4.3	K10_S2_6-8	X10_S2_6-8	K10_S3_8-10	K10_S4_10-12	K11_S1_0.5-3.4	K11_S2_4-6	K11_S3_5-10	K11_S4_6-8	K11_S5_8-10	K11_S6_10-12	K11_S7_10-15	K11_S8_12-14	K11_S9_16-18	K12_S1_0.5-4	K12_S2_4-6	K12_S3_5-10
Sample Date	11/23/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/04/2011	01/05/2011	01/05/2011
													138733-18									138980-23
													138733-30				138733-48		138733-17			138980-30
													138733-39				138733-49		138733-31			138980-34
		15A0843-01											138975-1				138733-50		138733-40			139157-3
Lab Sample ID	15K1070-09	15B0010-01	15A0843-03	15A0843-02	15A0843-04	139103-14	139103-15	139103-18	139103-16	139103-17	138733-6	138733-7	138975-7	138733-8	138733-9	138733-10	138975-10	138733-11	138975-6	138940-19	138980-1	139157-6
Sample Depth (bgs)	9.8 - 11.8 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 4.3 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	0.5 - 3.4 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	16 - 18 (ft)	0.5 - 4 (ft)	4 - 6 (ft)	5 - 10 (ft)
Sample Elevation (ft BCB)	10 to 8	14.2 to 12.2	14.2 to 12.2	12.2 to 10.2	12.2 to 10.2	16 to 15.7	14 to 12	14 to 12	12 to 10	10 to 8	19.8 to 16.9	16.3 to 14.3	15.3 to 10.3	14.3 to 12.3	12.3 to 10.3	10.3 to 8.3	10.3 to 5.3	8.3 to 6.3	4.3 to 2.3	19.6 to 16.1	16.1 to 14.1	15.1 to 10.1
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,2,4-Trichlorobenzene	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,2,4-Trimethylbenzene	-	0.0012	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,2-Dichlorobenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,3-Dichlorobenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
1,4-Dichlorobenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Acetone	-	ND (0.058)	-	ND (0.057)	-	-	-	-	-	-	-	-	ND (0.24)	-	-	-	ND (0.23)	-	ND (0.22)	-	-	ND (0.21)
Benzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Chlorobenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Chloroform (Trichloromethane)	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Ethylbenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Isopropylbenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
m,p-Xylenes	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Methyl Tert Butyl Ether	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Methylene chloride	-	0.0062	-	ND (0.0057)	-	-	-	-	-	-	-	-	ND (0.059)	-	-	-	ND (0.058)	-	ND (0.055)	-	-	ND (0.053)
Naphthalene	-	0.11	-	ND (0.0057)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
n-Propylbenzene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
o-Xylene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Styrene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Tetrachloroethene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Toluene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
Trichloroethene	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-	ND (0.006)	-	ND (0.006)	-	-	ND (0.005)
SUM of Volatile Organic Compounds	-	0.1174	-	ND	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	ND	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	0.5	-	-	-	ND (0.44)	-	ND (0.4)	-	-	1.1
1,2-Dichlorobenzene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
1,3-Dichlorobenzene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
1,4-Dichlorobenzene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
2,4-Dimethylphenol	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
2,4-Dinitrotoluene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
2,6-Dinitrotoluene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
2-Chloronaphthalene	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
2-Methylnaphthalene	-	0.2	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
2-Methylphenol	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
3&4-Methylphenol	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Acenaphthene	-	0.34	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	0.42
Acenaphthylene	-	0.22	-	0.89	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Acetophenone	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Aniline	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Anthracene	-	0.8	-	1.4	-	-	-	-	-	-	-	-	0.8	-	-	-	ND (0.44)	-	ND (0.4)	-	-	0.97
Benzo(a)anthracene	-	1.9	-	7.4	-	-	-	-	-	-	-	-	2.3	-	-	-	ND (0.44)	-	ND (0.4)	-	-	2.6
Benzo(a)pyrene	-	1.6	-	7.5	-	-	-	-	-	-	-	-	2.3	-	-	-	ND (0.44)	-	ND (0.4)	-	-	2.6
Benzo(b)fluoranthene	-	2.1	-	7.4	-	-	-	-	-	-	-	-	3.6	-	-	-	ND (0.44)	-	ND (0.4)	-	-	4.3
Benzo(g,h,i)perylene	-	1.1	-	4.5	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Benzo(k)fluoranthene	-	0.79	-	3.2	-	-	-	-	-	-	-	-	1.2	-	-	-	ND (0.44)	-	ND (0.4)	-	-	1.6
bis(2-Ethylhexyl)phthalate	-	0.4	-	ND (0.41)	-	-	-	-	-	-	-	-	1.6	-	-	-	ND (0.44)	-	ND (0.4)	-	-	1.2
Butyl benzylphthalate	-	0.59	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	0.54
Chrysene	-	1.8	-	6.5	-	-	-	-	-	-	-	-	2.3	-	-	-	ND (0.44)	-	ND (0.4)	-	-	2.2
Dibenz(a,h)anthracene	-	0.31	-	1	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Dibenzofuran	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Diethyl phthalate	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Di-n-butylphthalate	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Di-n-octyl phthalate	-	ND (0.71)	-	ND (0.8)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Fluoranthene	-	4	-	13	-	-	-	-	-	-	-	-	4.3	-	-	-	ND (0.44)	-	ND (0.4)	-	-	4.7
Fluorene	-	0.34	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Indeno(1,2,3-cd)pyrene	-	1.4	-	5.3	-	-	-	-	-	-	-	-	0.53	-	-	-	ND (0.44)	-	ND (0.4)	-	-	0.51
Isophorone	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Naphthalene	-	0.4	-	1.1	-	-	-	-	-	-	-	-	0.55	-	-	-	ND (0.44)	-	ND (0.4)	-	-	0.59
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Phenanthrene	-	2.9	-	4.3	-	-	-	-	-	-	-	-	3.1	-	-	-	ND (0.44)	-	ND (0.4)	-	-	3.5
Phenol	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	ND (0.44)	-	ND (0.4)	-	-	ND (0.39)
Pyrene	-	3.8	-	12	-	-	-	-	-	-	-	-	3.2	-	-	-	ND (0.44)	-	ND (0.4)	-	-	3.5
SUM of Semi-Volatile Organic Compounds	-	24.99	-	75.49	-	-	-	-	-	-	-	-	26.28	-	-	-	ND	-	ND	-	-	30.33

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	J8	J9				K10					K11									K12		K1
Location Name	J8A	J9	J9	J9	J9	K10	K10	K10	K10	K10	K11	K11	K11	K11	K11	K11	K11	K11	K11	K12	K12	K12
Sample Name	J8A_S1_9.8-11.8	J9_S1_6-8	J9_S3_6-8	J9_S2_8-10	J9_S4_8-10	K10_S1_4-4.3	K10_S2_6-8	X10_S2_6-8	K10_S3_8-10	K10_S4_10-12	K11_S1_0.5-3.4	K11_S2_4-6	K11_S3_5-10	K11_S4_6-8	K11_S5_8-10	K11_S6_10-12	K11_S7_10-15	K11_S8_12-14	K11_S9_16-18	K12_S1_0.5-4	K12_S2_4-6	K12_S3_5-10
Sample Date	11/23/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/04/2011	01/05/2011	01/05/2011
Lab Sample ID	15K1070-09	15A0843-01 15B0010-01	15A0843-03	15A0843-02	15A0843-04	139103-14	139103-15	139103-18	139103-16	139103-17	138733-6	138733-7	138733-18 138733-30 138733-39 138975-1 138975-7	138733-8	138733-9	138733-10	138733-48 138733-49 138733-50 138975-10	138733-11	138733-17 138733-31 138733-40 138975-6	138940-19	138980-1	138980-23 138980-30 138980-34 139157-3 139157-6
Sample Depth (bgs)	9.8 - 11.8 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 4.3 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	0.5 - 3.4 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	16 - 18 (ft)	0.5 - 4 (ft)	4 - 6 (ft)	5 - 10 (ft)
Sample Elevation (ft BCB)	10 to 8	14.2 to 12.2	14.2 to 12.2	12.2 to 10.2	12.2 to 10.2	16 to 15.7	14 to 12	14 to 12	12 to 10	10 to 8	19.8 to 16.9	16.3 to 14.3	15.3 to 10.3	14.3 to 12.3	12.3 to 10.3	10.3 to 8.3	10.3 to 5.3	8.3 to 6.3	4.3 to 2.3	19.6 to 16.1	16.1 to 14.1	15.1 to 10.1
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	660	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	380	-	-	-	ND (26)	-	36	-	-	510
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	490	-	-	-	ND (26)	-	33	-	-	630
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	93	-	-	-	ND (26)	-	ND (26)	-	-	120
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	5.6	-	5.7	-	-	45
Arsenic	-	6.5	-	3.5	-	-	-	-	-	-	-	-	5.4	-	-	-	ND (4)	-	ND (4.5)	-	-	ND (3.6)
Barium	-	150	-	74	-	-	-	-	-	-	-	-	470	-	-	-	91	-	93	-	-	390
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-	ND (0.4)	-	ND (0.45)	-	-	ND (0.36)
Cadmium	-	2.3	-	0.67	-	-	-	-	-	-	-	-	7.8	-	-	-	2.3	-	1.6	-	-	21
Chromium	-	33	-	5.7	-	-	-	-	-	-	-	-	49	-	-	-	47	-	49	-	-	97
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	ND (1)	-	ND (1)	-	-	ND (1)
Lead	-	1700	-	78	-	-	-	-	-	-	-	-	3800	-	-	-	23	-	34	-	-	6400
Mercury	-	1	-	0.24	-	-	-	-	-	-	-	-	2.1	-	-	-	0.029	-	0.79	-	-	7.1
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	71	-	-	-	33	-	33	-	-	140
Selenium	-	ND (5.8)	-	ND (5.9)	-	-	-	-	-	-	-	-	ND (6.6)	-	-	-	ND (6.7)	-	ND (7.4)	-	-	ND (5.9)
Silver	-	ND (0.58)	-	ND (0.59)	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (1.3)	-	ND (1.5)	-	-	ND (1.2)
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.6)	-	-	-	ND (6.7)	-	ND (7.4)	-	-	ND (5.9)
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	73	-	77	-	-	280
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	1300	-	-	-	78	-	86	-	-	2400
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.084	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	92
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.045)	ND (0.047)	-
Aroclor-1221 (PCB-1221)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.045)	ND (0.047)	-
Aroclor-1232 (PCB-1232)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.045)	ND (0.047)	-
Aroclor-1242 (PCB-1242)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.045)	ND (0.047)	-
Aroclor-1248 (PCB-1248)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	0.078	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	0.39	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	2.9	ND (0.047)	-
Aroclor-1254 (PCB-1254)	0.25	-	2.7	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	0.33	-	46	1.5	ND (0.05)	-	0.4	0.065	ND (0.045)	0.67	-
Aroclor-1260 (PCB-1260)	0.94	-	4.8	-	ND (0.12)	0.064	0.74	2.6	0.2	ND (0.051)	0.15	0.13	-	29	0.85	ND (0.05)	-	0.19	ND (0.051)	0.45	0.36	-
Aroclor-1262 (PCB-1262)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.045)	ND (0.047)	-
Aroclor-1268 (PCB-1268)	ND (0.12)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.066)	ND (0.051)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.051)	ND (0.045)	ND (0.047)	-
SUM of PCBs	1.19	-	7.5	-	ND	0.142	0.74	2.6	0.2	ND	0.54	0.46	-	75	2.35	ND	-	0.59	0.065	3.35	1.03	-
Other																						
Percent Solids, vol. (%wt)	80.8	94	91.2	83	82.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	165 >	-	-	165 >
Reactive Cyanide (mg/kg)	-	ND (3.9)	-	ND (4)	-	-	-	-	-	-	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	ND (20)	-	ND (20)	-	-	-	-	-	-	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	-	-	ND (100)
Oxidation reduction potential (mv)	-	98	-	67	-	-	-	-	-	-	-	-	520	-	-	-	430	-	450	-	-	560
Ignitability (Flashpoint) (PA)	-	NI	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7.6	-	7.6	-	-	-	-	-	-	-	-	7.1	-	-	-	7	-	7.2	-	-	7
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (1.5)	-	ND (1.8)	-	-	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	ND (1.5)	-	ND (1.8)	-	-	1.7
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	ND (1.5)	-	ND (1.8)	-	-	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	2			K13								K14								
Location Name	K12	K12	K12	K13	K13	K13	K13	K13	K13	K13	K13	K14	K14	K14	K14	K14	K14	K14	K14	K14
Sample Name	K12_S4_6-8	K12_S5_10-12	K12_S6_12-14	K13_S1_4-6	K13_S2_5-10	K13_S3_6-8	K13_S4_8-10	K13_S5_10-12	K13_S6_10-15	K13_S7_12-14	K13_S8_14-16	K14_S1_2-3	K14_S2_4.2-5.2	K14_S5_4.2-10.2	K14_S3_7.2-9.2	K14_S4_9.2-10.2	K14_S6_10.2-12.2	K14_S7_12.2-14.2	K14_S8_14.2-16.2	K14_S9_16.2-18.2
Sample Date	01/05/2011	01/05/2011	01/05/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/25/2010	06/25/2010
Lab Sample ID	138980-2	138980-3	138980-4	138940-13	138940-31 138940-42 138940-52	138940-14	138940-15	138940-16	138940-32 138940-43 138940-53 139113-2 139113-5	138940-17	138940-18	134271-57 134271-71 134271-82	134271-41	134271-62 134271-72 134271-83 134440-7	134271-42	134271-43	134271-44	134271-45	134292-17	134292-18
Sample Depth (bgs)	6 - 8 (ft)	10 - 12 (ft)	12 - 14 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	14 - 16 (ft)	2 - 3 (ft)	4.2 - 5.2 (ft)	4.2 - 10.2 (ft)	7.2 - 9.2 (ft)	9.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)
Sample Elevation (ft BCB)	14.1 to 12.1	10.1 to 8.1	8.1 to 6.1	16.2 to 14.2	15.2 to 10.2	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	10.2 to 5.2	8.2 to 6.2	6.2 to 4.2	18.2 to 17.2	16 to 15	16 to 10	13 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Acetone	-	-	-	-	ND (0.2)	-	-	-	ND (0.29)	-	-	ND (0.21)	-	ND (0.2)	-	-	-	-	-	-
Benzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	ND (0.05)	-	-	-	ND (0.072)	-	-	ND (0.053)	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Styrene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Toluene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	-	-	-	-	ND (0.005)	-	-	-	ND (0.007)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (1.5)	-	ND (0.78)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	0.43	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.62	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Acetophenone	-	-	-	-	0.55	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Aniline	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Anthracene	-	-	-	-	1.1	-	-	-	ND (0.4)	-	-	ND (0.72)	-	1.2	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	2	-	-	-	ND (0.4)	-	-	ND (0.72)	-	2.5	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	1.8	-	-	-	ND (0.4)	-	-	ND (0.72)	-	2.4	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	2.4	-	-	-	ND (0.4)	-	-	ND (0.72)	-	3.4	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	0.59	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.6	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	0.85	-	-	-	ND (0.4)	-	-	ND (0.72)	-	1.3	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	0.43	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Carbazole	-	-	-	-	0.39	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.71	-	-	-	-	-	-
Chrysene	-	-	-	-	1.9	-	-	-	ND (0.4)	-	-	ND (0.72)	-	2.4	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	0.46	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.56	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	4.2	-	-	-	0.96	-	-	1	-	4.8	-	-	-	-	-	-
Fluorene	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.73	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	0.69	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.77	-	-	-	-	-	-
Isophorone	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Naphthalene	-	-	-	-	1	-	-	-	ND (0.4)	-	-	ND (0.72)	-	0.78	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	3.1	-	-	-	0.58	-	-	0.83	-	4.7	-	-	-	-	-	-
Phenol	-	-	-	-	ND (0.38)	-	-	-	ND (0.4)	-	-	ND (0.72)	-	ND (0.38)	-	-	-	-	-	-
Pyrene	-	-	-	-	3	-	-	-	0.7	-	-	0.98	-	4.5	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	24.89	-	-	-	2.24	-	-	2.81	-	31.97	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	2			K13								K14								
Location Name	K12	K12	K12	K13	K13	K13	K13	K13	K13	K13	K13	K14	K14	K14	K14	K14	K14	K14	K14	K14
Sample Name	K12_S4_6-8	K12_S5_10-12	K12_S6_12-14	K13_S1_4-6	K13_S2_5-10	K13_S3_6-8	K13_S4_8-10	K13_S5_10-12	K13_S6_10-15	K13_S7_12-14	K13_S8_14-16	K14_S1_2-3	K14_S2_4.2-5.2	K14_S5_4.2-10.2	K14_S3_7.2-9.2	K14_S4_9.2-10.2	K14_S6_10.2-12.2	K14_S7_12.2-14.2	K14_S8_14.2-16.2	K14_S9_16.2-18.2
Sample Date	01/05/2011	01/05/2011	01/05/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/25/2010	06/25/2010
Lab Sample ID	138980-2	138980-3	138980-4	138940-13	138940-31 138940-42 138940-52	138940-14	138940-15	138940-16	138940-32 138940-43 138940-53 139113-2 139113-5	138940-17	138940-18	134271-57 134271-71 134271-82	134271-41	134271-62 134271-72 134271-83 134440-7	134271-42	134271-43	134271-44	134271-45	134292-17	134292-18
Sample Depth (bgs)	6 - 8 (ft)	10 - 12 (ft)	12 - 14 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	10 - 15 (ft)	12 - 14 (ft)	14 - 16 (ft)	2 - 3 (ft)	4.2 - 5.2 (ft)	4.2 - 10.2 (ft)	7.2 - 9.2 (ft)	9.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)	16.2 - 18.2 (ft)
Sample Elevation (ft BCB)	14.1 to 12.1	10.1 to 8.1	8.1 to 6.1	16.2 to 14.2	15.2 to 10.2	14.2 to 12.2	12.2 to 10.2	10.2 to 8.2	10.2 to 5.2	8.2 to 6.2	6.2 to 4.2	18.2 to 17.2	16 to 15	16 to 10	13 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	130	-	-	-	ND (24)	-	-	660	-	67	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	170	-	-	-	ND (24)	-	-	590	-	43	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	54	-	-	-	ND (24)	-	-	ND (32)	-	ND (35)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	2.3	-	-	-	3.4	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-
Arsenic	-	-	-	-	ND (3.4)	-	-	-	22	-	-	ND (3.2)	-	6.2	-	-	-	-	-	-
Barium	-	-	-	-	67	-	-	-	110	-	-	33	-	87	-	-	-	-	-	-
Beryllium	-	-	-	-	ND (0.34)	-	-	-	ND (0.37)	-	-	ND (0.32)	-	ND (0.37)	-	-	-	-	-	-
Cadmium	-	-	-	-	0.98	-	-	-	1.8	-	-	1	-	1.8	-	-	-	-	-	-
Chromium	-	-	-	-	8.1	-	-	-	31	-	-	20	-	16	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	96	-	-	-	300	-	-	46	-	310	-	-	-	-	-	-
Mercury	-	-	-	-	0.4	-	-	-	0.33	-	-	0.087	-	0.55	-	-	-	-	-	-
Nickel	-	-	-	-	6.4	-	-	-	20	-	-	13	-	120	-	-	-	-	-	-
Selenium	-	-	-	-	ND (5.6)	-	-	-	ND (6.2)	-	-	ND (5.3)	-	ND (6.1)	-	-	-	-	-	-
Silver	-	-	-	-	ND (1.1)	-	-	-	ND (1.2)	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-
Thallium	-	-	-	-	ND (5.6)	-	-	-	ND (6.2)	-	-	ND (5.3)	-	ND (6.1)	-	-	-	-	-	-
Vanadium	-	-	-	-	19	-	-	-	50	-	-	39	-	30	-	-	-	-	-	-
Zinc	-	-	-	-	67	-	-	-	330	-	-	71	-	1200	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	0.9	-	-	-	-	4.2	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1221 (PCB-1221)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1232 (PCB-1232)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1242 (PCB-1242)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1248 (PCB-1248)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1254 (PCB-1254)	320	ND (0.049)	0.06	0.3	-	5.1	0.053	0.17	-	1.4	ND (0.052)	3.9	0.18	-	ND (0.052)	29	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1260 (PCB-1260)	150	ND (0.049)	ND (0.051)	0.09	-	3.1	ND (0.049)	0.1	-	0.89	ND (0.052)	1.2	0.069	-	ND (0.052)	19	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1262 (PCB-1262)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
Aroclor-1268 (PCB-1268)	ND (47)	ND (0.049)	ND (0.051)	ND (0.05)	-	ND (0.44)	ND (0.049)	ND (0.057)	-	ND (0.059)	ND (0.052)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (5.4)	ND (0.052)	ND (0.053)	ND (0.056)	ND (0.051)
SUM of PCBs	470	ND	0.06	0.39	-	8.2	0.053	0.27	-	2.29	ND	5.1	0.249	-	ND	48	ND	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	-	-	-	165 >	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	-	-	-	ND (50)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	-	-	-	ND (100)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	7	-	-	-	7.1	-	-	7.1	-	8	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	ND (1.3)	-	1.7	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	ND (1.3)	-	1.7	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.2)	-	-	-	ND (1.5)	-	-	ND (1.3)	-	ND (1.4)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				K15										K16						
Location Name	K14	K14	K14	K15	K15	K15	K15	K15	K15	K15	K15	K15	K15A	K16	K16	K16	K16	K16	K16	K16
Sample Name	K14_S10_18.2-20.2	K14_S11_20.2-22.2	K14_S12_22.2-24.2	K15_S1_0.5-3.0	K15_S3_6-9	K15_S4_9-10	K15_S5_10-12	K15_S6_12-14	K15_S7_14-16	K15_S8_16-18	K15_S9_18-20	K15_S10_20-22	K15A_S1_2.2-8.2	K16_S1_0.5-2.8	K16_S6_3.2-9.8	K16_S4_6-8	K16_S5_8-10	K16_S7_10-12	K16_S8_12-14	K16_S9_14-16
Sample Date	06/25/2010	06/25/2010	06/25/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	01/23/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	134292-19	134292-20	134292-21	134271-55 134271-69 134271-80 134440-2 134440-9	134271-56 134271-70 134271-81 134440-3	134271-32	134271-33	134271-34	134271-35	134271-36	134271-37	134271-38	15A0797-01 15A0977-01	134271-54 134271-66 134271-77 134440-1	134271-60 134271-67 134271-78 134440-11 134440-5	134271-13	134271-14	134271-15	134271-16	134271-17
Sample Depth (bgs)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	0.5 - 3 (ft)	6 - 9 (ft)	9 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	2.2 - 8.2 (ft)	0.5 - 2.8 (ft)	3.2 - 9.8 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	19.5 to 17	14 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	18 to 12	19.5 to 17.2	16.8 to 10.2	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	ND (0.005)	0.52	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	ND (0.005)	0.83	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.3)	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Acetone	-	-	-	ND (0.36)	ND (0.31)	-	-	-	-	-	-	-	ND (0.072)	ND (0.2)	ND (3)	-	-	-	-	-
Benzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Chlorobenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	ND (0.005)	ND (0.3)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Ethylbenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Isopropylbenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
m,p-Xylenes	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	ND (0.005)	ND (0.3)	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0029)	ND (0.005)	ND (0.3)	-	-	-	-	-
Methylene chloride	-	-	-	ND (0.089)	ND (0.079)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.05)	ND (1.2)	-	-	-	-	-
Naphthalene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.005)	0.57	-	-	-	-	-
n-Propylbenzene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
o-Xylene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Styrene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Tetrachloroethene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Toluene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
Trichloroethene	-	-	-	ND (0.009)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.005)	ND (0.3)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	ND	ND	-	-	-	-	-	-	-	ND	ND	1.92	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	ND (0.71)	ND (0.88)	-	-	-	-	-	-	-	ND (1.6)	ND (0.72)	ND (3.9)	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
2-Chloronaphthalene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
2-Methylnaphthalene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	ND (0.36)	ND (1.9)	-	-	-	-	-
2-Methylphenol	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
3&4-Methylphenol	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Acenaphthene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	ND (0.36)	ND (1.9)	-	-	-	-	-
Acenaphthylene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	ND (0.36)	ND (1.9)	-	-	-	-	-
Acetophenone	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Aniline	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Anthracene	-	-	-	ND (0.35)	0.63	-	-	-	-	-	-	-	1.4	0.39	ND (1.9)	-	-	-	-	-
Benzo(a)anthracene	-	-	-	0.35	1.7	-	-	-	-	-	-	-	3	0.9	2.6	-	-	-	-	-
Benzo(a)pyrene	-	-	-	ND (0.35)	1.7	-	-	-	-	-	-	-	2.8	0.84	2.8	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	0.44	2	-	-	-	-	-	-	-	4	1.1	4.8	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	ND (0.35)	0.81	-	-	-	-	-	-	-	2.2	ND (0.36)	ND (1.9)	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	ND (0.35)	0.77	-	-	-	-	-	-	-	1.5	0.44	ND (1.9)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	2.2	ND (0.36)	2.8	-	-	-	-	-
Butyl benzylphthalate	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Carbazole	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	-	ND (0.36)	ND (1.9)	-	-	-	-	-
Chrysene	-	-	-	0.37	1.7	-	-	-	-	-	-	-	3.1	0.92	3	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	ND (0.36)	ND (1.9)	-	-	-	-	-
Dibenzofuran	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Diethyl phthalate	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Di-n-butylphthalate	-	-	-	ND (0.35)	3.1	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (3.2)	ND (0.36)	ND (1.9)	-	-	-	-	-
Fluoranthene	-	-	-	0.81	3.4	-	-	-	-	-	-	-	6.9	1.9	5.7	-	-	-	-	-
Fluorene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (0.81)	ND (0.36)	ND (1.9)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	ND (0.35)	0.87	-	-	-	-	-	-	-	2.1	ND (0.36)	ND (1.9)	-	-	-	-	-
Isophorone	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Naphthalene	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	1.3	ND (0.36)	ND (1.9)	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	-	ND (0.36)	ND (1.9)	-	-	-	-	-
Phenanthrene	-	-	-	0.56	2.5	-	-	-	-	-	-	-	5.7	1.5	3.7	-	-	-	-	-
Phenol	-	-	-	ND (0.35)	ND (0.44)	-	-	-	-	-	-	-	ND (1.6)	ND (0.36)	ND (1.9)	-	-	-	-	-
Pyrene	-	-	-	0.68	3.1	-	-	-	-	-	-	-	5.9	1.7	4.8	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	3.21	22.28	-	-	-	-	-	-	-	42.1	9.69	30.2	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				K15										K16						
Location Name	K14	K14	K14	K15	K15	K15	K15	K15	K15	K15	K15	K15	K15A	K16	K16	K16	K16	K16	K16	K16
Sample Name	K14_S10_18.2-20.2	K14_S11_20.2-22.2	K14_S12_22.2-24.2	K15_S1_0.5-3.0	K15_S3_6-9	K15_S4_9-10	K15_S5_10-12	K15_S6_12-14	K15_S7_14-16	K15_S8_16-18	K15_S9_18-20	K15_S10_20-22	K15A_S1_2.2-8.2	K16_S1_0.5-2.8	K16_S6_3.2-9.8	K16_S4_6-8	K16_S5_8-10	K16_S7_10-12	K16_S8_12-14	K16_S9_14-16
Sample Date	06/25/2010	06/25/2010	06/25/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	01/23/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010
Lab Sample ID	134292-19	134292-20	134292-21	134271-55 134271-69 134271-80 134440-2 134440-9	134271-56 134271-70 134271-81 134440-3	134271-32	134271-33	134271-34	134271-35	134271-36	134271-37	134271-38	15A0797-01 15A0977-01	134271-54 134271-66 134271-77 134440-1	134271-60 134271-67 134271-78 134440-11 134440-5	134271-13	134271-14	134271-15	134271-16	134271-17
Sample Depth (bgs)	18.2 - 20.2 (ft)	20.2 - 22.2 (ft)	22.2 - 24.2 (ft)	0.5 - 3 (ft)	6 - 9 (ft)	9 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	2.2 - 8.2 (ft)	0.5 - 2.8 (ft)	3.2 - 9.8 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	19.5 to 17	14 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	18 to 12	19.5 to 17.2	16.8 to 10.2	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	1600	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	72	260	-	-	-	-	-	-	-	-	95	400	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	87	150	-	-	-	-	-	-	-	-	96	460	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (32)	ND (41)	-	-	-	-	-	-	-	-	ND (32)	79	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	ND (1.1)	4	-	-	-	-	-	-	-	-	1.6	86	-	-	-	-	-
Arsenic	-	-	-	ND (3.4)	19	-	-	-	-	-	-	-	6.6	4.3	ND (3.7)	-	-	-	-	-
Barium	-	-	-	93	320	-	-	-	-	-	-	-	210	64	690	-	-	-	-	-
Beryllium	-	-	-	ND (0.34)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.37)	-	-	-	-	-
Cadmium	-	-	-	18	5.5	-	-	-	-	-	-	-	7.3	1.4	19	-	-	-	-	-
Chromium	-	-	-	54	28	-	-	-	-	-	-	-	110	23	73	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	ND (0.19)	-	ND (1)	-	-	-	-	-
Lead	-	-	-	1400	1900	-	-	-	-	-	-	-	2400	110	8700	-	-	-	-	-
Mercury	-	-	-	0.55	3.4	-	-	-	-	-	-	-	1.7	0.48	5.5	-	-	-	-	-
Nickel	-	-	-	46	32	-	-	-	-	-	-	-	-	17	150	-	-	-	-	-
Selenium	-	-	-	ND (19)	ND (7.1)	-	-	-	-	-	-	-	ND (5.8)	ND (5.6)	ND (15)	-	-	-	-	-
Silver	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	ND (2.9)	ND (1.1)	ND (1.2)	-	-	-	-	-
Thallium	-	-	-	ND (5.7)	ND (7.1)	-	-	-	-	-	-	-	-	ND (5.6)	ND (6.2)	-	-	-	-	-
Vanadium	-	-	-	25	50	-	-	-	-	-	-	-	-	32	200	-	-	-	-	-
Zinc	-	-	-	5000	860	-	-	-	-	-	-	-	-	120	4000	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-
Lead	-	-	-	0.8	17	-	-	-	-	-	-	-	0.42	1.4	160	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.044)	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.044)	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.044)	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.044)	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.053)	ND (0.059)	0.9	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	1:00 PM	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	38	0.15	0.09	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	0.13	-	ND (0.044)	-	10	0.29	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.053)	ND (0.059)	0.26	17	0.092	0.058	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	0.088	-	0.2	-	8.3	0.18	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.044)	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.053)	ND (0.059)	ND (0.043)	ND (5.5)	ND (0.059)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.062)	-	ND (0.044)	-	ND (0.94)	ND (0.048)	ND (0.051)	ND (0.044)	ND (0.051)
SUM of PCBs	ND	ND	ND	1.16	55	0.242	0.148	ND	ND	ND	ND	0.218	-	1.2	-	18.3	0.47	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	83.9	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	ND (3.9)	ND (50)	ND (50)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	ND (20)	ND (100)	ND (100)	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	670	-	-	-	-	-	-	-	-	120	-	410	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7.2	6.9	-	-	-	-	-	-	-	10	7.1	7.2	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (2)	ND (2.1)	-	-	-	-	-	-	-	-	ND (1.2)	1.7	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (2)	ND (2.1)	-	-	-	-	-	-	-	-	ND (1.2)	3.7	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (2)	ND (2.1)	-	-	-	-	-	-	-	-	ND (1.2)	1.9	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							K17													
Location Name	K16	K16	K16	K16	K16	K16A	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17A	K17A
Sample Name	K16_S10_16-18	K16_S11_18-20	K16_S12_20-22	K16_S13_22-23.3	K16_S14_23.3-24	K16A_S1_3.5-9.8	K17_S1_0.9-3.7	K17_S6_4-7.4	K17_S3_6-8	K17_S4_8-10	K17_S5_10-12	K17_S7_12-14	K17_S8_14-16	K17_S9_16-18	K17_S10_18-20	K17_S11_20-22	K17_S12_22-23	K17_S13_23-24	K17a_S1_1-2.8	K17a_S2_4-8
Sample Date	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	12/30/2010	01/03/2011
Lab Sample ID	134271-18	134271-19	134271-20	134271-21	134271-22	15B0056-01 15B0292-01	134640-31 134640-37 134640-42	134640-34 134640-38 134640-43 134833-2 134833-3	134640-12	134640-13	134640-14	134640-15	134640-16	134640-17	134640-18	134640-19	134640-20	134640-21	138884-39 138884-49 138884-60	138916-22 138916-37 138916-49 139127-10 139127-6
Sample Depth (bgs)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.3 (ft)	23.3 - 24 (ft)	3.5 - 9.8 (ft)	0.9 - 3.7 (ft)	4 - 7.4 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23 (ft)	23 - 24 (ft)	1 - 2.8 (ft)	4 - 8 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 10.2	19.1 to 16.3	16 to 12.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3	-3 to -4	19 to 17.2	16 to 12
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0031)	ND (0.006)	0.57	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0031)	ND (0.006)	1	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Acetone	-	-	-	-	-	ND (0.078)	ND (0.22)	ND (3.4)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)
Benzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Chlorobenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0031)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Ethylbenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Isopropylbenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	-	-	ND (0.0031)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0031)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methylene chloride	-	-	-	-	-	ND (0.0078)	ND (0.056)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.051)
Naphthalene	-	-	-	-	-	ND (0.0078)	0.006	0.6	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
n-Propylbenzene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Styrene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Toluene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	-	-	ND (0.0016)	ND (0.006)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	0.006	2.17	-	-	-	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	1.1	ND (0.36)	1.4	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
2,4-Dimethylphenol	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
2-Chloronaphthalene	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
2-Methylnaphthalene	-	-	-	-	-	0.69	5.7	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
2-Methylphenol	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
3&4-Methylphenol	-	-	-	-	-	ND (0.41)	0.42	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Acenaphthene	-	-	-	-	-	1.9	1.9	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Acenaphthylene	-	-	-	-	-	0.43	4.6	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Acetophenone	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Aniline	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Anthracene	-	-	-	-	-	4.3	11	1.5	-	-	-	-	-	-	-	-	-	-	0.79	0.74
Benzo(a)anthracene	-	-	-	-	-	5.9	11	3.7	-	-	-	-	-	-	-	-	-	-	1.4	1.9
Benzo(a)pyrene	-	-	-	-	-	5.1	8.6	3.8	-	-	-	-	-	-	-	-	-	-	1.1	1.9
Benzo(b)fluoranthene	-	-	-	-	-	6.1	10	6.7	-	-	-	-	-	-	-	-	-	-	1.5	2.4
Benzo(g,h,i)perylene	-	-	-	-	-	2.6	0.8	1	-	-	-	-	-	-	-	-	-	-	ND (0.34)	0.54
Benzo(k)fluoranthene	-	-	-	-	-	4.1	3.7	2.5	-	-	-	-	-	-	-	-	-	-	0.51	0.85
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	1.7	ND (0.36)	2.2	-	-	-	-	-	-	-	-	-	-	ND (0.34)	0.82
Butyl benzylphthalate	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Carbazole	-	-	-	-	-	-	2.5	ND (0.78)	-	-	-	-	-	-	-	-	-	-	0.35	ND (0.39)
Chrysene	-	-	-	-	-	5.5	9.3	3.9	-	-	-	-	-	-	-	-	-	-	1.2	1.9
Dibenz(a,h)anthracene	-	-	-	-	-	0.68	0.45	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Dibenzofuran	-	-	-	-	-	1.3	7.7	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Diethyl phthalate	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Di-n-butylphthalate	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Di-n-octyl phthalate	-	-	-	-	-	ND (0.81)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Fluoranthene	-	-	-	-	-	12	30	6.8	-	-	-	-	-	-	-	-	-	-	2.6	3.4
Fluorene	-	-	-	-	-	1.9	10	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	2.6	1.6	1.3	-	-	-	-	-	-	-	-	-	-	0.37	0.7
Isophorone	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Naphthalene	-	-	-	-	-	1.3	7.5	0.8	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
N-Nitrosodiphenylamine	-	-	-	-	-	-	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Phenanthrene	-	-	-	-	-	12	44	5.6	-	-	-	-	-	-	-	-	-	-	2.5	2.1
Phenol	-	-	-	-	-	ND (0.41)	ND (0.36)	ND (0.78)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.39)
Pyrene	-	-	-	-	-	12	20	6.9	-	-	-	-	-	-	-	-	-	-	2.1	3.2
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	83.2	190.77	48.1	-	-	-	-	-	-	-	-	-	-	14.42	20.45

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							K17													
Location Name	K16	K16	K16	K16	K16	K16A	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17	K17A	K17A
Sample Name	K16_S10_16-18	K16_S11_18-20	K16_S12_20-22	K16_S13_22-23.3	K16_S14_23.3-24	K16A_S1_3.5-9.8	K17_S1_0.9-3.7	K17_S6_4-7.4	K17_S3_6-8	K17_S4_8-10	K17_S5_10-12	K17_S7_12-14	K17_S8_14-16	K17_S9_16-18	K17_S10_18-20	K17_S11_20-22	K17_S12_22-23	K17_S13_23-24	K17a_S1_1-2.8	K17a_S2_4-8
Sample Date	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	12/30/2010	01/03/2011
Lab Sample ID	134271-18	134271-19	134271-20	134271-21	134271-22	15B0056-01 15B0292-01	134640-31 134640-37 134640-42	134640-34 134640-38 134640-43 134833-2 134833-3	134640-12	134640-13	134640-14	134640-15	134640-16	134640-17	134640-18	134640-19	134640-20	134640-21	138884-39 138884-49 138884-60	138916-22 138916-37 138916-49 139127-10 139127-6
Sample Depth (bgs)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.3 (ft)	23.3 - 24 (ft)	3.5 - 9.8 (ft)	0.9 - 3.7 (ft)	4 - 7.4 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23 (ft)	23 - 24 (ft)	1 - 2.8 (ft)	4 - 8 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -3.3	-3.3 to -4	16.5 to 10.2	19.1 to 16.3	16 to 12.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3	-3 to -4	19 to 17.2	16 to 12
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	110	770	-	-	-	-	-	-	-	-	-	-	69	350
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	120	1000	-	-	-	-	-	-	-	-	-	-	58	430
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	ND (33)	210	-	-	-	-	-	-	-	-	-	-	ND (21)	98
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	3	51	-	-	-	-	-	-	-	-	-	-	3.7	120
Arsenic	-	-	-	-	-	15	ND (3.5)	7.1	-	-	-	-	-	-	-	-	-	-	ND (3.3)	ND (3.5)
Barium	-	-	-	-	-	510	56	650	-	-	-	-	-	-	-	-	-	-	60	670
Beryllium	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.35)
Cadmium	-	-	-	-	-	10	ND (0.58)	15	-	-	-	-	-	-	-	-	-	-	2.3	18
Chromium	-	-	-	-	-	71	23	75	-	-	-	-	-	-	-	-	-	-	22	81
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	-	-	-	-	-	5600	81	5900	-	-	-	-	-	-	-	-	-	-	77	9800
Mercury	-	-	-	-	-	2.1	0.57	5.1	-	-	-	-	-	-	-	-	-	-	0.44	6.1
Nickel	-	-	-	-	-	-	13	120	-	-	-	-	-	-	-	-	-	-	16	110
Selenium	-	-	-	-	-	ND (6)	ND (5.8)	ND (6.1)	-	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (5.9)
Silver	-	-	-	-	-	ND (0.6)	ND (1.2)	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)
Thallium	-	-	-	-	-	-	ND (5.8)	ND (6.1)	-	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (5.9)
Vanadium	-	-	-	-	-	-	21	170	-	-	-	-	-	-	-	-	-	-	48	170
Zinc	-	-	-	-	-	-	85	2400	-	-	-	-	-	-	-	-	-	-	88	3000
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	0.051	-	190	-	-	-	-	-	-	-	-	-	-	-	190
Mercury	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (0.045)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1221 (PCB-1221)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (0.045)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1232 (PCB-1232)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (0.045)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1242 (PCB-1242)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (0.045)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1248 (PCB-1248)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	0.47	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1254 (PCB-1254)	ND (0.048)	0.1	0.063	ND (0.05)	ND (0.056)	-	ND (0.045)	-	160	1.7	0.13	0.12	ND (0.055)	0.097	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1260 (PCB-1260)	ND (0.048)	0.064	0.05	ND (0.05)	ND (0.056)	-	0.2	-	120	1.2	0.1	0.1	ND (0.055)	0.073	0.09	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1262 (PCB-1262)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (0.045)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
Aroclor-1268 (PCB-1268)	ND (0.048)	ND (0.057)	ND (0.049)	ND (0.05)	ND (0.056)	-	ND (0.045)	-	ND (46)	ND (0.052)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.049)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.055)	-	-
SUM of PCBs	ND	0.164	0.113	ND	ND	-	0.67	-	280	2.9	0.23	0.22	ND	0.17	0.09	ND	ND	ND	-	-
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (3.9)	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	110	-	510	-	-	-	-	-	-	-	-	-	-	-	530
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	7.9	7.1	7.1	-	-	-	-	-	-	-	-	-	-	6.8	6.8
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.4)	3.1	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1.4)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	ND (1.4)	4.7	-	-	-	-	-	-	-	-	-	-	1.6	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.4)	2.6	-	-	-	-	-	-	-	-	-	-	1.5	ND (1.4)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		K18											K19					K
Location Name	K17A	K18	K18	K18	K18	K18	K18	K18	K18	K18	K18	K18	K19	K19	K19	K19	K19	K3	K3
Sample Name	K17a_S3_8-13	K18_S1_1-4.3	K18_S2_5.6-7.6	K18_S7_5.6-15.6	K18_S3_7.6-9.6	K18_S4_9.6-11.6	K18_S5_11.6-13.6	K18_S6_13.6-15.6	K18_S8_15.6-17.6	K18_S9_17.6-19.6	K18_S10_19.6-21.6	K18_S11_21.6-23.6	K19_S1_2.5-3.5	K19_S2_3.5-5.5	K19_S3_5.5-7.5	K19_S4_7.5-9.5	Z19_S4_7.5-9.5	K3_S1_0.6-1.6'	K3_S2_1.6-3.6'
Sample Date	01/03/2011	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/17/2015	11/17/2015
	138916-23	134117-45																	
	138916-38	134117-56																	
	138916-50	134117-65		134117-51															
	139127-11	134331-2		134117-57															
Lab Sample ID	139127-3	134331-6	134117-20	134117-66	134117-21	134117-22	134117-23	134117-24	134117-25	134117-26	134117-27	134117-28	15K1003-04	15K1003-05	15K1003-06	15K1003-07	15K1003-10	15K0757-09	15K0757-10
Sample Depth (bgs)	8 - 13 (ft)	1 - 4.3 (ft)	5.6 - 7.6 (ft)	5.6 - 15.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	2.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)
Sample Elevation (ft BCB)	12 to 7	18.6 to 15.3	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (0.38)	ND (0.3)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.095)	ND (0.074)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.009)	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ND (0.44)	0.53	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1.1	1.5	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	2.3	2	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2.1	1.8	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	2.4	2.1	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	0.71	0.66	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.85	0.86	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	2	1.9	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ND (0.44)	0.52	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	4.1	4.5	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ND (0.44)	0.64	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.85	0.79	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	0.83	0.44	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1.6	4.6	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	ND (0.44)	ND (0.37)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	3.4	3.9	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	22.24	26.74	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		K18											K19					K
Location Name	K17A	K18	K18	K18	K18	K18	K18	K18	K18	K18	K18	K18	K19	K19	K19	K19	K19	K3	K3
Sample Name	K17a_S3_8-13	K18_S1_1-4.3	K18_S2_5.6-7.6	K18_S7_5.6-15.6	K18_S3_7.6-9.6	K18_S4_9.6-11.6	K18_S5_11.6-13.6	K18_S6_13.6-15.6	K18_S8_15.6-17.6	K18_S9_17.6-19.6	K18_S10_19.6-21.6	K18_S11_21.6-23.6	K19_S1_2.5-3.5	K19_S2_3.5-5.5	K19_S3_5.5-7.5	K19_S4_7.5-9.5	Z19_S4_7.5-9.5	K3_S1_0.6-1.6'	K3_S2_1.6-3.6'
Sample Date	01/03/2011	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/17/2015	11/17/2015
Lab Sample ID	138916-23 138916-38 138916-50 139127-11 139127-3	134117-45 134117-56 134117-65 134331-2 134331-6	134117-20	134117-51 134117-57 134117-66	134117-21	134117-22	134117-23	134117-24	134117-25	134117-26	134117-27	134117-28	15K1003-04	15K1003-05	15K1003-06	15K1003-07	15K1003-10	15K0757-09	15K0757-10
Sample Depth (bgs)	8 - 13 (ft)	1 - 4.3 (ft)	5.6 - 7.6 (ft)	5.6 - 15.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	2.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)
Sample Elevation (ft BCB)	12 to 7	18.6 to 15.3	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	410	130	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	290	120	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (27)	ND (34)	-	ND (38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	4.2	3	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	ND (4.1)	ND (3.4)	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	98	50	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	ND (0.41)	ND (0.34)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	1.3	1.3	-	0.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	33	88	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	ND (1)	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	170	260	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.9	0.42	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	20	22	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	ND (6.8)	ND (5.7)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	ND (1.4)	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	ND (6.8)	ND (5.7)	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	50	29	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	140	90	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.8	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Aroclor-1221 (PCB-1221)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Aroclor-1232 (PCB-1232)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Aroclor-1242 (PCB-1242)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Aroclor-1248 (PCB-1248)	-	0.42	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.39	ND (0.12)
Aroclor-1254 (PCB-1254)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	0.34	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.9	ND (0.12)
Aroclor-1260 (PCB-1260)	-	0.099	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.65	ND (0.12)
Aroclor-1262 (PCB-1262)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Aroclor-1268 (PCB-1268)	-	ND (0.046)	ND (0.054)	-	ND (0.049)	ND (0.051)	ND (0.054)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.06)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
SUM of PCBs	-	0.519	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND	1.94	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	89.7	92.8	89	80.8	82.7	87.9	81.2
Ignitability (Flashpoint) (Deg F)	165 >	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (100)	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	490	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	7.1	7.3	-	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.7)	ND (1.3)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.7)	1.7	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.7)	ND (1.3)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	3		K4				K5				K6									
Location Name	K3	K3	K4	K4	K4	K4	K5	K5	K5	K5	K6	K6	K6	K6	K6	K6	K6	K6	K6	K6
Sample Name	K3_S3_3.6-5.6'	K3_S4_5.6-7.6'	K4_S1_1.4-2.4'	K4_S2_2.4-4.4'	K4_S3_4.4-6.4'	K4_S4_6.4-8.4'	K5_S1_1.8-2.8	K5_S2_2.8-4.8	K5_S3_4.8-6.8	K5_S4_6.8-8.8	K6_S1_1-5	K6_S2_6-7	K6_S4_6-9	K6_S3_7-9	K6_S5_9-11	K6_S6_11-13	K6_S7_13-15	K6_S8_15-17	K6_S9_17-19	K6_S10_19-21
Sample Date	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010
Lab Sample ID	15K0757-11	15K0757-12	15K0757-13	15K0757-14	15K0757-15	15K0757-16	15K1175-12	15K1175-13	15K1175-14	15K1175-15	134417-20 134417-25 134417-30	134417-1	134417-23 134417-26 134417-31 134608-2	134417-2	134417-3	134417-4	134417-5	134417-6	134417-7	134417-8
Sample Depth (bgs)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	1 - 5 (ft)	6 - 7 (ft)	6 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 14	13 to 12	13 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.26)	-	ND (0.2)	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.066)	-	ND (0.05)	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	ND (0.005)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	0.46	-	0.95	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	0.42	-	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.6	-	1.5	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.48	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.51	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	0.45	-	1.1	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	0.91	-	1.5	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	0.62	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	0.57	-	0.62	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.39)	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	0.69	-	1.5	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	4.1	-	9.78	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	3		K4				K5				K6									
Location Name	K3	K3	K4	K4	K4	K4	K5	K5	K5	K5	K6	K6	K6	K6	K6	K6	K6	K6	K6	K6
Sample Name	K3_S3_3.6-5.6'	K3_S4_5.6-7.6'	K4_S1_1.4-2.4'	K4_S2_2.4-4.4'	K4_S3_4.4-6.4'	K4_S4_6.4-8.4'	K5_S1_1.8-2.8	K5_S2_2.8-4.8	K5_S3_4.8-6.8	K5_S4_6.8-8.8	K6_S1_1-5	K6_S2_6-7	K6_S4_6-9	K6_S3_7-9	K6_S5_9-11	K6_S6_11-13	K6_S7_13-15	K6_S8_15-17	K6_S9_17-19	K6_S10_19-21
Sample Date	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010	06/30/2010
Lab Sample ID	15K0757-11	15K0757-12	15K0757-13	15K0757-14	15K0757-15	15K0757-16	15K1175-12	15K1175-13	15K1175-14	15K1175-15	134417-20 134417-25 134417-30	134417-1	134417-23 134417-26 134417-31 134608-2	134417-2	134417-3	134417-4	134417-5	134417-6	134417-7	134417-8
Sample Depth (bgs)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	1.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	1 - 5 (ft)	6 - 7 (ft)	6 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18 to 14	13 to 12	13 to 10	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	140	-	240	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	170	-	94	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (34)	-	ND (36)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	1.5	-	2.7	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.6)	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	30	-	110	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.36)	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	0.93	-	2.5	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	14	-	24	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	35	-	300	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	0.16	-	0.61	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	9.9	-	20	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6)	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6)	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	19	-	21	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	48	-	300	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (0.1)	0.49	ND (0.11)	ND (0.1)	0.13	0.56	0.19	ND (0.12)	ND (0.11)	0.51	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1254 (PCB-1254)	ND (0.11)	ND (0.1)	0.31	0.24	ND (0.1)	0.13	0.31	0.27	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1260 (PCB-1260)	ND (0.11)	ND (0.1)	0.12	0.13	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	0.14	0.13	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.047)	ND (0.046)	-	ND (0.054)	ND (0.048)	ND (0.051)	ND (0.048)	ND (0.049)	ND (0.05)	ND (0.049)
SUM of PCBs	ND	ND	0.92	0.37	ND	0.26	0.87	0.46	ND	ND	0.65	0.13	-	ND	ND	ND	ND	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	91	93.6	88.9	88.2	95	94.9	86.1	86.4	82.4	93.9	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	7.1	-	6.5	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.5)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			K7										K8				K9		
Location Name	K6	K6	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K8	K8	K8	K8	K9	K9	K9
Sample Name	K6_S11_21-23	K6_S12_23-25	K7_S1_0.4-7.2	K7_S4_7.5-11.7	K7_S2_9.4-11.4	K7_S3_11.4-13.4	K7_S5_13.4-15.4	K7_S6_15.4-17.4	K7_S7_17.4-19.4	K7_S8_19.4-21.4	K7_S9_21.4-23.1	K7_S10_23.4-25.4	K8_S1_7.0-8.2	K8_S3_7.0-8.2	K8_S4_8.2-10.2	K8_S5_10.2-12.2	K9_S1_7.0-7.5	K9_S3_7.0-7.5	K9_S2_7.5-9.5
Sample Date	06/30/2010	06/30/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/04/2015	03/04/2015	03/04/2015
Lab Sample ID	134417-9	134417-10	134316-36 134316-44 134316-51 134476-2	134316-39 134316-45 134316-52 134476-4 134476-5	134316-23	134316-24	134316-25	134316-26	134316-27	134316-28	134316-29	134316-30	15C0526-01 15C0904-01 15C1258-01	15C0076-03	15C0076-04	15C0526-02	15C0127-01 15C0404-01	15C0127-03	15C0127-02
Sample Depth (bgs)	21 - 23 (ft)	23 - 25 (ft)	0.4 - 7.2 (ft)	7.5 - 11.7 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.1 (ft)	23.4 - 25.4 (ft)	7 - 8.2 (ft)	7 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	7 - 7.5 (ft)	7 - 7.5 (ft)	7.5 - 9.5 (ft)
Sample Elevation (ft BCB)	-2 to -4	-4 to -6	19 to 12.2	11.9 to 7.7	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.700001	-4 to -6	12.5 to 11.3	12.5 to 11.3	11.3 to 9.3	9.3 to 7.3	12.5 to 12	12.5 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)
1,2,4-Trichlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)
1,2,4-Trimethylbenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
1,2-Dichlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
1,3,5-Trichlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
1,3-Dichlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
1,4-Dichlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Acetone	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.066)	-	-	-	ND (0.068)	-	ND (0.064)
Benzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Chlorobenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Chloroform (Trichloromethane)	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)
Cymene (p-Isopropyltoluene)	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	0.0072
Ethylbenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Isopropylbenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
m,p-Xylenes	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)
Methyl Tert Butyl Ether	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	ND (0.0027)	-	ND (0.0026)
Methylene chloride	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.0066)	-	-	-	ND (0.0068)	-	ND (0.0064)
Naphthalene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0066)	-	-	-	ND (0.0068)	-	ND (0.0064)
n-Propylbenzene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
o-Xylene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Styrene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Tetrachloroethene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Toluene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
Trichloroethene	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	-	ND (0.0014)	-	ND (0.0013)
SUM of Volatile Organic Compounds	-	-	ND	ND	-	-	-	-	-	-	-	-	ND	-	-	-	ND	-	0.0072
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
1,2-Dichlorobenzene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
1,3-Dichlorobenzene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
1,4-Dichlorobenzene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
2,4-Dimethylphenol	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
2,4-Dinitrotoluene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
2,6-Dinitrotoluene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
2-Chloronaphthalene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
2-Methylnaphthalene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.77	-	-	-	ND (0.21)	-	ND (0.22)
2-Methylphenol	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
3&4-Methylphenol	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Acenaphthene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.22	-	-	-	ND (0.21)	-	ND (0.22)
Acenaphthylene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	0.22	-	ND (0.22)
Acetophenone	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Aniline	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Anthracene	-	-	0.49	ND (0.35)	-	-	-	-	-	-	-	-	0.32	-	-	-	0.31	-	ND (0.22)
Benzo(a)anthracene	-	-	1.3	1	-	-	-	-	-	-	-	-	1.1	-	-	-	1.3	-	ND (0.22)
Benzo(a)pyrene	-	-	1.2	0.99	-	-	-	-	-	-	-	-	0.92	-	-	-	1.4	-	ND (0.22)
Benzo(b)fluoranthene	-	-	1.7	1.5	-	-	-	-	-	-	-	-	1.3	-	-	-	2	-	ND (0.22)
Benzo(g,h,i)perylene	-	-	0.53	ND (0.35)	-	-	-	-	-	-	-	-	0.44	-	-	-	0.77	-	ND (0.22)
Benzo(k)fluoranthene	-	-	0.65	0.53	-	-	-	-	-	-	-	-	0.45	-	-	-	0.75	-	ND (0.22)
bis(2-Ethylhexyl)phthalate	-	-	0.42	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Butyl benzylphthalate	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Carbazole	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	1.4	1.1	-	-	-	-	-	-	-	-	1.3	-	-	-	1.5	-	ND (0.22)
Dibenz(a,h)anthracene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.21)	-	-	-	0.29	-	ND (0.22)
Dibenzofuran	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Diethyl phthalate	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Di-n-butylphthalate	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Di-n-octyl phthalate	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.85)	-	ND (0.88)
Fluoranthene	-	-	2.7	2	-	-	-	-	-	-	-	-	2.5	-	-	-	1.4	-	ND (0.22)
Fluorene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.21	-	-	-	ND (0.21)	-	ND (0.22)
Indeno(1,2,3-cd)pyrene	-	-	0.59	ND (0.35)	-	-	-	-	-	-	-	-	0.48	-	-	-	0.97	-	ND (0.22)
Isophorone	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Naphthalene	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	0.57	-	-	-	ND (0.21)	-	ND (0.22)
N-Nitrosodiphenylamine	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	2	1.1	-	-	-	-	-	-	-	-	2.2	-	-	-	0.95	-	ND (0.22)
Phenol	-	-	ND (0.35)	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.43)	-	ND (0.44)
Pyrene	-	-	2.4	1.9	-	-	-	-	-	-	-	-	2.1	-	-	-	1.4	-	ND (0.22)
SUM of Semi-Volatile Organic Compounds	-	-	15.38	10.12	-	-	-	-	-	-	-	-	14.88	-	-	-	13.26	-	ND

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			K7										K8				K9		
Location Name	K6	K6	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K8	K8	K8	K8	K9	K9	K9
Sample Name	K6_S11_21-23	K6_S12_23-25	K7_S1_0.4-7.2	K7_S4_7.5-11.7	K7_S2_9.4-11.4	K7_S3_11.4-13.4	K7_S5_13.4-15.4	K7_S6_15.4-17.4	K7_S7_17.4-19.4	K7_S8_19.4-21.4	K7_S9_21.4-23.1	K7_S10_23.4-25.4	K8_S1_7.0-8.2	K8_S3_7.0-8.2	K8_S4_8.2-10.2	K8_S5_10.2-12.2	K9_S1_7.0-7.5	K9_S3_7.0-7.5	K9_S2_7.5-9.5
Sample Date	06/30/2010	06/30/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010	03/03/2015	03/03/2015	03/03/2015	03/03/2015	03/04/2015	03/04/2015	03/04/2015
Lab Sample ID	134417-9	134417-10	134316-36 134316-44 134316-51 134476-2	134316-39 134316-45 134316-52 134476-4 134476-5	134316-23	134316-24	134316-25	134316-26	134316-27	134316-28	134316-29	134316-30	15C0526-01 15C0904-01 15C1258-01	15C0076-03	15C0076-04	15C0526-02	15C0127-01 15C0404-01	15C0127-03	15C0127-02
Sample Depth (bgs)	21 - 23 (ft)	23 - 25 (ft)	0.4 - 7.2 (ft)	7.5 - 11.7 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.1 (ft)	23.4 - 25.4 (ft)	7 - 8.2 (ft)	7 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	7 - 7.5 (ft)	7 - 7.5 (ft)	7.5 - 9.5 (ft)
Sample Elevation (ft BCB)	-2 to -4	-4 to -6	19 to 12.2	11.9 to 7.7	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.700001	-4 to -6	12.5 to 11.3	12.5 to 11.3	11.3 to 9.3	9.3 to 7.3	12.5 to 12	12.5 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	210	-	-	-	180	-	34
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	120	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	120	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (32)	ND (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	2.2	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	ND (3.2)	4.9	-	-	-	-	-	-	-	-	15	-	-	-	3.7	-	ND (3.5)
Barium	-	-	49	65	-	-	-	-	-	-	-	-	64	-	-	-	65	-	12
Beryllium	-	-	ND (0.32)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	1.2	1.2	-	-	-	-	-	-	-	-	4.9	-	-	-	2.4	-	0.36
Chromium	-	-	14	43	-	-	-	-	-	-	-	-	15	-	-	-	8.9	-	34
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	120	400	-	-	-	-	-	-	-	-	230	-	-	-	130	-	15
Mercury	-	-	0.29	9.8	-	-	-	-	-	-	-	-	0.19	-	-	-	0.098	-	0.09
Nickel	-	-	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (5.4)	ND (5.6)	-	-	-	-	-	-	-	-	ND (6.1)	-	-	-	ND (6.3)	-	ND (6.9)
Silver	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	ND (0.61)	-	-	-	ND (0.63)	-	ND (0.69)
Thallium	-	-	ND (5.4)	ND (5.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	23	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	100	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	ND (0.3)	6.4	-	-	-	-	-	-	-	-	0.06	-	-	-	0.011	-	-
Mercury	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1221 (PCB-1221)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1232 (PCB-1232)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1242 (PCB-1242)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1248 (PCB-1248)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1254 (PCB-1254)	ND (0.05)	ND (0.064)	0.16	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	0.12	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1260 (PCB-1260)	ND (0.05)	ND (0.064)	0.15	-	1.4	ND (0.05)	0.12	ND (0.05)	ND (0.05)	ND (0.051)	0.11	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1262 (PCB-1262)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
Aroclor-1268 (PCB-1268)	ND (0.05)	ND (0.064)	ND (0.043)	-	ND (0.047)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.05)	ND (0.056)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.11)	-	ND (0.12)	-
SUM of PCBs	ND	ND	0.31	-	1.4	ND	0.12	ND	ND	ND	0.23	ND	ND	ND	ND	ND	-	ND	-
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	86.6	78	68.4	91.8	78.9	79.4	76.3
Ignitability (Flashpoint) (Deg F)	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	ND (3.9)	-	ND (4)
Reactive Sulfide (mg/kg)	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (20)	-	ND (20)
Oxidation reduction potential (mv)	-	-	-	430	-	-	-	-	-	-	-	-	-	-	-	-	84	-	78
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	NI	-	NI
pH Corrosivity (pH units)	-	-	9.2	8.4	-	-	-	-	-	-	-	-	7.3	-	-	-	7.2	-	7.6
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	1.4	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		L10						L11													
Location Name	K9	L10	L10	L10	L10	L10	L10	L11	L11	L11	L11	L11	L11	L11	L11	L12	L12	L12	L12	L12	L12
Sample Name	K9_S4_7.5-9.5	L10_S1_0-8	L10_S2_2-4	L10_S3_4-6	L10_S4_6-8	L10_S5_8-10	L10_S6_8-10	L11_S1_4.0-5.6	L11_S4_4.0-9.6	L11_S2_5.6-7.6	L11_S3_7.6-9.6	L11_S5_9.6-11.6	L11_S7_9.6-14.6	L11_S6_11.6-13.6	L11_S8_14.6-19.6	L12_S1_0-4.5	L12_S2_5-7	L12_S4_5-9	L12_S3_7-9	L12_S5_9-11	L12_S6_11-13
Sample Date	03/04/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID	15C0127-04	15A0795-01 15A0976-01	15A0795-02	15A0795-03	15A0795-04	15A0795-05	15A0795-06	138796-1 138796-1RA1	138796-23 138796-28	138796-2	138796-3	138796-4	138796-18 138796-24 138796-29 138974-3	138796-5	138796-19 138796-25 138796-30 138974-4	133615-38 133615-45 133615-52 133764-3	133615-23	133615-39 133615-46 133615-53 133764-4 133764-5	133615-24	133615-25	133615-26
Sample Depth (bgs)	7.5 - 9.5 (ft)	0 - 8 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 5.6 (ft)	4 - 9.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	9.6 - 14.6 (ft)	11.6 - 13.6 (ft)	14.6 - 19.6 (ft)	0 - 4.5 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)	12 to 10	20 to 12	18 to 16	16 to 14	14 to 12	12 to 10	12 to 10	15.6 to 14	15.6 to 10	14 to 12	12 to 10	10 to 8	10 to 5	8 to 6	5 to 0	19.8 to 15.3	14.8 to 12.8	14.8 to 10.8	12.8 to 10.8	10.8 to 8.8	8.8 to 6.8
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	ND (0.0024)	-	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	0.64	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.0024)	-	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	1.1	-	-	-
1,2,4-Trimethylbenzene	-	0.0015	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
1,2-Dichlorobenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
1,3-Dichlorobenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
1,4-Dichlorobenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Acetone	-	ND (0.061)	-	-	-	ND (0.053)	-	-	ND (0.2)	-	-	-	ND (0.25)	-	ND (0.29)	ND (0.2)	-	ND (3.8)	-	-	-
Benzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Chlorobenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Chloroform (Trichloromethane)	-	ND (0.0024)	-	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Ethylbenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Isopropylbenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
m,p-Xylenes	-	ND (0.0024)	-	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Methyl Tert Butyl Ether	-	ND (0.0024)	-	-	-	ND (0.0021)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Methylene chloride	-	ND (0.0061)	-	-	-	ND (0.0053)	-	-	ND (0.05)	-	-	-	ND (0.062)	-	ND (0.071)	ND (0.05)	-	ND (1.5)	-	-	-
Naphthalene	-	ND (0.0061)	-	-	-	ND (0.0053)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	0.011	-	2.4	-	-	-
n-Propylbenzene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
o-Xylene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Styrene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Tetrachloroethene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Toluene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
Trichloroethene	-	ND (0.0012)	-	-	-	ND (0.0011)	-	-	ND (0.005)	-	-	-	ND (0.006)	-	ND (0.007)	ND (0.005)	-	ND (0.38)	-	-	-
SUM of Volatile Organic Compounds	-	0.0015	-	-	-	ND	-	-	ND	-	-	-	ND	-	ND	0.011	-	4.14	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
1,2-Dichlorobenzene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
1,3-Dichlorobenzene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
1,4-Dichlorobenzene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
2,4-Dimethylphenol	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
2,4-Dinitrotoluene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
2,6-Dinitrotoluene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
2-Chloronaphthalene	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
2-Methylnaphthalene	-	0.64	-	-	-	ND (0.21)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
2-Methylphenol	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
3&4-Methylphenol	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Acenaphthene	-	ND (0.21)	-	-	-	ND (0.21)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Acenaphthylene	-	ND (0.21)	-	-	-	0.5	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Acetophenone	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Aniline	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Anthracene	-	0.38	-	-	-	0.81	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.44	-	ND (3.9)	-	-	-
Benzo(a)anthracene	-	0.74	-	-	-	5	-	-	0.73	-	-	-	ND (0.42)	-	ND (0.4)	0.95	-	4.3	-	-	-
Benzo(a)pyrene	-	0.57	-	-	-	4.6	-	-	0.67	-	-	-	ND (0.42)	-	ND (0.4)	0.85	-	ND (3.9)	-	-	-
Benzo(b)fluoranthene	-	0.82	-	-	-	4.9	-	-	0.78	-	-	-	ND (0.42)	-	ND (0.4)	1.1	-	5	-	-	-
Benzo(g,h,i)perylene	-	ND (0.21)	-	-	-	3.2	-	-	0.41	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Benzo(k)fluoranthene	-	0.37	-	-	-	2.1	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.39	-	ND (3.9)	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.67	-	76	-	-	-
Butyl benzylphthalate	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Chrysene	-	0.91	-	-	-	4.7	-	-	0.67	-	-	-	ND (0.42)	-	ND (0.4)	0.94	-	4.5	-	-	-
Dibenz(a,h)anthracene	-	ND (0.21)	-	-	-	0.71	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Dibenzofuran	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Diethyl phthalate	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Di-n-butylphthalate	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Di-n-octyl phthalate	-	ND (0.83)	-	-	-	ND (0.81)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	6.3	-	-	-
Fluoranthene	-	1.5	-	-	-	8	-	-	1.4	-	-	-	ND (0.42)	-	ND (0.4)	2	-	12	-	-	-
Fluorene	-	ND (0.21)	-	-	-	0.21	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	4.5	-	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.21)	-	-	-	3.6	-	-	0.43	-	-	-	ND (0.42)	-	ND (0.4)	0.37	-	ND (3.9)	-	-	-
Isophorone	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Naphthalene	-	0.41	-	-	-	0.57	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	0.42	-	4.4	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Phenanthrene	-	1.5	-	-	-	1.7	-	-	0.77	-	-	-	ND (0.42)	-	ND (0.4)	1.5	-	15	-	-	-
Phenol	-	ND (0.42)	-	-	-	ND (0.41)	-	-	ND (0.34)	-	-	-	ND (0.42)	-	ND (0.4)	ND (0.35)	-	ND (3.9)	-	-	-
Pyrene	-	1.4	-	-	-	8.7	-	-	1.3	-	-	-	ND (0.42)	-	ND (0.4)	1.6	-	8.7	-	-	-
SUM of Semi-Volatile Organic Compounds	-	9.24	-	-	-	49.3	-	-	7.16	-	-	-	ND	-	ND	11.23	-	140.7	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		L10						L11													
Location Name	K9	L10	L10	L10	L10	L10	L10	L11	L11	L11	L11	L11	L11	L11	L11	L12	L12	L12	L12	L12	L12
Sample Name	K9_S4_7.5-9.5	L10_S1_0-8	L10_S2_2-4	L10_S3_4-6	L10_S4_6-8	L10_S5_8-10	L10_S6_8-10	L11_S1_4.0-5.6	L11_S4_4.0-9.6	L11_S2_5.6-7.6	L11_S3_7.6-9.6	L11_S5_9.6-11.6	L11_S7_9.6-14.6	L11_S6_11.6-13.6	L11_S8_14.6-19.6	L12_S1_0-4.5	L12_S2_5-7	L12_S4_5-9	L12_S3_7-9	L12_S5_9-11	L12_S6_11-13
Sample Date	03/04/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	12/23/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID	15C0127-04	15A0795-01 15A0976-01	15A0795-02	15A0795-03	15A0795-04	15A0795-05	15A0795-06	138796-1 138796-1RA1	138796-20 138796-23 138796-28	138796-2	138796-3	138796-4	138796-18 138796-24 138796-29 138974-3	138796-5	138796-19 138796-25 138796-30 138974-4	133615-38 133615-45 133615-52 133764-3	133615-23	133615-39 133615-46 133615-53 133764-4 133764-5	133615-24	133615-25	133615-26
Sample Depth (bgs)	7.5 - 9.5 (ft)	0 - 8 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 5.6 (ft)	4 - 9.6 (ft)	5.6 - 7.6 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	9.6 - 14.6 (ft)	11.6 - 13.6 (ft)	14.6 - 19.6 (ft)	0 - 4.5 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)
Sample Elevation (ft BCB)	12 to 10	20 to 12	18 to 16	16 to 14	14 to 12	12 to 10	12 to 10	15.6 to 14	15.6 to 10	14 to 12	12 to 10	10 to 8	10 to 5	8 to 6	5 to 0	19.8 to 15.3	14.8 to 12.8	14.8 to 10.8	12.8 to 10.8	10.8 to 8.8	8.8 to 6.8
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	930	-	-	-	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	120	-	-	-	ND (25)	-	ND (25)	150	-	470	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	41	-	-	-	ND (25)	-	ND (25)	190	-	910	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (21)	-	-	-	ND (25)	-	ND (25)	ND (33)	-	170	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	2.4	-	-	-	4.3	-	3.3	5.9	-	130	-	-	-
Arsenic	-	39	-	-	-	6.2	-	-	ND (3.3)	-	-	-	ND (3.9)	-	ND (3.8)	ND (3.4)	-	ND (3.5)	-	-	-
Barium	-	110	-	-	-	53	-	-	120	-	-	-	72	-	55	86	-	680	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.33)	-	-	-	ND (0.39)	-	ND (0.38)	ND (0.34)	-	ND (0.35)	-	-	-
Cadmium	-	1.9	-	-	-	0.75	-	-	0.98	-	-	-	1.5	-	1.2	1.6	-	28	-	-	-
Chromium	-	8.7	-	-	-	24	-	-	13	-	-	-	40	-	32	27	-	99	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	ND (1)	-	-	-
Lead	-	200	-	-	-	87	-	-	88	-	-	-	28	-	12	540	-	13000	-	-	-
Mercury	-	0.12	-	-	-	0.26	-	-	0.36	-	-	-	0.041	-	0.1	0.17	-	1.6	-	-	-
Nickel	-	-	-	-	-	-	-	-	27	-	-	-	30	-	23	20	-	150	-	-	-
Selenium	-	ND (6)	-	-	-	ND (6)	-	-	ND (5.4)	-	-	-	ND (6.4)	-	ND (6.4)	ND (5.7)	-	7.2	-	-	-
Silver	-	ND (0.6)	-	-	-	ND (0.6)	-	-	ND (1.1)	-	-	-	ND (1.3)	-	ND (1.3)	ND (1.1)	-	ND (1.2)	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (5.4)	-	-	-	ND (6.4)	-	ND (6.4)	ND (5.7)	-	ND (5.8)	-	-	-
Vanadium	-	-	-	-	-	-	-	-	32	-	-	-	64	-	50	47	-	240	-	-	-
Zinc	-	-	-	-	-	-	-	-	250	-	-	-	120	-	54	240	-	3200	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.084	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	64	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.14)	-	ND (0.11)	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.14)	-	ND (0.11)	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.14)	-	ND (0.11)	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.14)	-	ND (0.11)	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (0.14)	-	ND (0.11)	2.5	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	ND (0.14)	-	ND (0.11)	10	ND (0.12)	-	1.2	0.46	-	6	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	8	200	160	2	0.093	ND (0.04)
Aroclor-1260 (PCB-1260)	ND (0.14)	-	ND (0.11)	21	ND (0.12)	-	2.2	0.21	-	4	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	3.9	130	98	1.2	0.052	ND (0.04)
Aroclor-1262 (PCB-1262)	ND (0.14)	-	ND (0.11)	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.14)	-	ND (0.11)	ND (2.3)	ND (0.12)	-	ND (0.49)	ND (0.042)	-	ND (0.88)	ND (0.046)	ND (0.051)	ND (0.052)	ND (0.05)	ND (0.05)	ND (1.1)	ND (18)	ND (9.6)	ND (0.25)	ND (0.04)	ND (0.04)
SUM of PCBs	ND	-	ND	33.5	ND	-	3.4	0.67	-	10	ND	ND	ND	ND	ND	11.9	330	258	3.2	0.145	ND
Other																					
Percent Solids, vol. (%wt)	68.2	80.7	86.4	88.1	84.1	82.3	80.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	165 >	165 >	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	ND (3.9)	-	-	-	ND (3.9)	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	ND (50)	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	ND (19)	-	-	-	ND (19)	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	ND (100)	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	100	-	-	-	0	-	-	-	-	-	-	440	-	510	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	NI	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	8.6	-	-	-	10	-	-	7.7	-	-	-	7.3	-	8.1	6.5	-	6.7	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	1.6	-	ND (1.5)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	ND (1.5)	-	1.9	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.3)	-	-	-	ND (2.3)	-	ND (1.7)	1.7	-	1.5	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L12						L13												
Location Name	L12	L12	L12	L12	L12	L12	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L14
Sample Name	L12_S7_13-15	L12_S8_15-17	L12_S9_17-19	L12_S10_19-21	L12_S11_21-23	L12_S12_23-25	L13_S1_0.5-3.5	L13_S5_3.8-10.1	L13_S2_4.1-6.1	L13_S3_6.1-8.1	L13_S4_8.1-10.1	L13_S6_10.1-12.1	L13_S7_12.1-14.1	L13_S8_14.1-16.1	L13_S9_16.1-18.1	L13_S10_18.1-20.1	L13_S11_20.1-22.1	L13_S12_22.1-24.1	L14_S1_0.5-3.5
Sample Date	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	06/25/2010
Lab Sample ID	133615-27	133615-28	133615-29	133615-30	133615-31	133615-32	134640-30 134640-35 134640-40	134640-33 134640-36 134640-41 134833-1	134640-1	134640-2	134640-3	134640-4	134640-5	134640-6	134640-7	134640-8	134640-9	134640-10	134292-22 134292-52 134292-60 134569-3
Sample Depth (bgs)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.5 - 3.5 (ft)	3.8 - 10.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)	14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)	22.1 - 24.1 (ft)	0.5 - 3.5 (ft)
Sample Elevation (ft BCB)	6.8 to 4.8	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	-3.2 to -5.2	19.6 to 16.6	16.3 to 10	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	19.5 to 16.5
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Acetone	-	-	-	-	-	-	ND (0.2)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.24)
Benzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Chlorobenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Ethylbenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Isopropylbenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
m,p-Xylenes	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Methylene chloride	-	-	-	-	-	-	ND (0.05)	ND (0.096)	-	-	-	-	-	-	-	-	-	-	ND (0.06)
Naphthalene	-	-	-	-	-	-	ND (0.005)	0.022	-	-	-	-	-	-	-	-	-	-	ND (0.006)
n-Propylbenzene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
o-Xylene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Styrene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Tetrachloroethene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Toluene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
Trichloroethene	-	-	-	-	-	-	ND (0.005)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.006)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	0.022	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.72)
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2-Methylnaphthalene	-	-	-	-	-	-	ND (0.36)	0.4	-	-	-	-	-	-	-	-	-	-	ND (0.36)
2-Methylphenol	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
3&4-Methylphenol	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Acenaphthene	-	-	-	-	-	-	1.2	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Acenaphthylene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Acetophenone	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Aniline	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Anthracene	-	-	-	-	-	-	3.4	0.61	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Benzo(a)anthracene	-	-	-	-	-	-	5.3	1.1	-	-	-	-	-	-	-	-	-	-	0.56
Benzo(a)pyrene	-	-	-	-	-	-	4.6	0.87	-	-	-	-	-	-	-	-	-	-	0.52
Benzo(b)fluoranthene	-	-	-	-	-	-	5.6	1.3	-	-	-	-	-	-	-	-	-	-	0.68
Benzo(g,h,i)perylene	-	-	-	-	-	-	0.58	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Benzo(k)fluoranthene	-	-	-	-	-	-	2.2	0.53	-	-	-	-	-	-	-	-	-	-	ND (0.36)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	0.37	0.45	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Carbazole	-	-	-	-	-	-	1.6	0.44	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Chrysene	-	-	-	-	-	-	4.8	1.1	-	-	-	-	-	-	-	-	-	-	0.57
Dibenz(a,h)anthracene	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Dibenzofuran	-	-	-	-	-	-	0.69	0.52	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Diethyl phthalate	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Di-n-octyl phthalate	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Fluoranthene	-	-	-	-	-	-	14	2.6	-	-	-	-	-	-	-	-	-	-	1.3
Fluorene	-	-	-	-	-	-	1.3	0.52	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	1	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Isophorone	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Naphthalene	-	-	-	-	-	-	0.36	1.2	-	-	-	-	-	-	-	-	-	-	ND (0.36)
N-Nitrosodiphenylamine	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Phenanthrene	-	-	-	-	-	-	12	3.1	-	-	-	-	-	-	-	-	-	-	1.2
Phenol	-	-	-	-	-	-	ND (0.36)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	ND (0.36)
Pyrene	-	-	-	-	-	-	9.6	2.2	-	-	-	-	-	-	-	-	-	-	1.1
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	68.6	16.94	-	-	-	-	-	-	-	-	-	-	5.93

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L12						L13												
Location Name	L12	L12	L12	L12	L12	L12	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L13	L14
Sample Name	L12_S7_13-15	L12_S8_15-17	L12_S9_17-19	L12_S10_19-21	L12_S11_21-23	L12_S12_23-25	L13_S1_0.5-3.5	L13_S5_3.8-10.1	L13_S2_4.1-6.1	L13_S3_6.1-8.1	L13_S4_8.1-10.1	L13_S6_10.1-12.1	L13_S7_12.1-14.1	L13_S8_14.1-16.1	L13_S9_16.1-18.1	L13_S10_18.1-20.1	L13_S11_20.1-22.1	L13_S12_22.1-24.1	L14_S1_0.5-3.5
Sample Date	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	07/09/2010	06/25/2010
Lab Sample ID	133615-27	133615-28	133615-29	133615-30	133615-31	133615-32	134640-30 134640-35 134640-40	134640-33 134640-36 134640-41 134833-1	134640-1	134640-2	134640-3	134640-4	134640-5	134640-6	134640-7	134640-8	134640-9	134640-10	134292-22 134292-52 134292-60 134569-3
Sample Depth (bgs)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.5 - 3.5 (ft)	3.8 - 10.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	8.1 - 10.1 (ft)	10.1 - 12.1 (ft)	12.1 - 14.1 (ft)	14.1 - 16.1 (ft)	16.1 - 18.1 (ft)	18.1 - 20.1 (ft)	20.1 - 22.1 (ft)	22.1 - 24.1 (ft)	0.5 - 3.5 (ft)
Sample Elevation (ft BCB)	6.8 to 4.8	4.8 to 2.8	2.8 to 0.8	0.8 to -1.2	-1.2 to -3.2	-3.2 to -5.2	19.6 to 16.6	16.3 to 10	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	19.5 to 16.5
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	190	170	-	-	-	-	-	-	-	-	-	-	95
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	190	230	-	-	-	-	-	-	-	-	-	-	93
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	ND (33)	48	-	-	-	-	-	-	-	-	-	-	ND (33)
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	2.5	2.7	-	-	-	-	-	-	-	-	-	-	ND (1.1)
Arsenic	-	-	-	-	-	-	ND (3.3)	4.7	-	-	-	-	-	-	-	-	-	-	3.8
Barium	-	-	-	-	-	-	44	120	-	-	-	-	-	-	-	-	-	-	63
Beryllium	-	-	-	-	-	-	ND (0.33)	ND (0.35)	-	-	-	-	-	-	-	-	-	-	ND (0.32)
Cadmium	-	-	-	-	-	-	ND (0.55)	1.3	-	-	-	-	-	-	-	-	-	-	1.3
Chromium	-	-	-	-	-	-	19	15	-	-	-	-	-	-	-	-	-	-	21
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	57	130	-	-	-	-	-	-	-	-	-	-	100
Mercury	-	-	-	-	-	-	0.12	0.28	-	-	-	-	-	-	-	-	-	-	0.35
Nickel	-	-	-	-	-	-	12	25	-	-	-	-	-	-	-	-	-	-	15
Selenium	-	-	-	-	-	-	ND (5.5)	ND (5.8)	-	-	-	-	-	-	-	-	-	-	ND (5.4)
Silver	-	-	-	-	-	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.1)
Thallium	-	-	-	-	-	-	ND (5.5)	ND (5.8)	-	-	-	-	-	-	-	-	-	-	ND (5.4)
Vanadium	-	-	-	-	-	-	18	37	-	-	-	-	-	-	-	-	-	-	25
Zinc	-	-	-	-	-	-	77	670	-	-	-	-	-	-	-	-	-	-	130
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	1.3
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.43	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	0.51	8.3	0.6	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	0.27	ND (0.052)	ND (0.067)	0.21
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.18	-	0.3	5.8	0.34	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	0.19	ND (0.052)	ND (0.067)	0.12
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.044)	-	ND (0.049)	ND (0.97)	ND (0.046)	ND (0.071)	ND (0.056)	ND (0.055)	ND (0.053)	ND (0.054)	ND (0.052)	ND (0.067)	ND (0.043)
SUM of PCBs	ND	ND	ND	ND	ND	ND	0.61	-	0.81	14.1	0.94	ND	ND	ND	ND	0.46	ND	ND	0.33
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	7.1	7.5	-	-	-	-	-	-	-	-	-	-	7.6
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.6)	4.5	-	-	-	-	-	-	-	-	-	-	ND (1.1)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	ND (1.6)	4.2	-	-	-	-	-	-	-	-	-	-	ND (1.1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.6)	4.1	-	-	-	-	-	-	-	-	-	-	ND (1.1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L14															L15				
Location Name	L14	L14	L14	L14	L14	L14	L14	L14	L14	L14	L14	L14A	L14A	L14A	L14A	L15	L15	L15	L15	L15
Sample Name	L14_S2_4-4.9	L14_S5_4-10	L14_S3_7-8	L14_S4_8-10	L14_S6_10-12	L14_S7_12-14	L14_S8_14-16	L14_S9_16-18	L14_S10_18-20	L14_S11_20-22	L14_S12_22-24	L14a_S1_4-9	L14a_S2_9-14	L14a_S3_14-19	L14a_S4_22-27	L15_S1_0.5-1.9	L15_S4_6-10	L15_S3_8-10	L15_S5_10-12	L15_S6_12-14
Sample Date	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	01/03/2011	01/03/2011	01/03/2011	01/03/2011	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010
Lab Sample ID	134292-23	134292-26 134292-53 134292-61 134569-4 134569-8	134292-24	134292-25	134292-27	134292-28	134292-29	134292-30	134292-31	134292-32	134292-33	138916-30 138916-42 138916-54 139127-4	138916-31 138916-43 138916-55 139127-5	138916-32 138916-44 138916-56	138916-33 138916-45 138916-57 139127-14	134292-1 134292-48 134292-56	134292-3 134292-49 134292-57 134569-1 134569-7	134292-64	134292-4	134292-5
Sample Depth (bgs)	4 - 4.9 (ft)	4 - 10 (ft)	7 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	22 - 27 (ft)	0.5 - 1.9 (ft)	6 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)	16 to 15.1	16 to 10	13 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 11	11 to 6	6 to 1	-2 to -7	19.5 to 18.1	14 to 10	12 to 10	10 to 8	8 to 6
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	9.6	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	1.8	-	-	-
1,2,4-Trichlorobenzene	-	36	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	2.8	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
1,2-Dichlorobenzene	-	1.7	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
1,3,5-Trichlorobenzene	-	1	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
1,3-Dichlorobenzene	-	38	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	0.93	-	-	-
1,4-Dichlorobenzene	-	34	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	1.8	-	-	-
Acetone	-	ND (6.5)	-	-	-	-	-	-	-	-	-	ND (0.25)	ND (0.27)	ND (0.23)	ND (0.32)	ND (0.29)	ND (9.2)	-	-	-
Benzene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Chlorobenzene	-	53	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Chloroform (Trichloromethane)	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Ethylbenzene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Isopropylbenzene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
m,p-Xylenes	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Methyl Tert Butyl Ether	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Methylene chloride	-	ND (2.6)	-	-	-	-	-	-	-	-	-	ND (0.062)	ND (0.067)	ND (0.057)	ND (0.08)	ND (0.072)	ND (3.7)	-	-	-
Naphthalene	-	53	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	0.079	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
n-Propylbenzene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
o-Xylene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Styrene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Tetrachloroethene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Toluene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
Trichloroethene	-	ND (0.65)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.007)	ND (0.006)	ND (0.008)	ND (0.007)	ND (0.92)	-	-	-
SUM of Volatile Organic Compounds	-	226.3	-	-	-	-	-	-	-	-	-	ND	ND	0.079	ND	ND	7.33	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	16	-	-	-	-	-	-	-	-	-	6.9	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	2.3	-	-	-
1,2-Dichlorobenzene	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
1,3-Dichlorobenzene	-	13	-	-	-	-	-	-	-	-	-	5.7	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
1,4-Dichlorobenzene	-	14	-	-	-	-	-	-	-	-	-	4.7	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
2,4-Dimethylphenol	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
2,4-Dinitrotoluene	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.73)	ND (1.5)	-	-	-
2,6-Dinitrotoluene	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
2-Chloronaphthalene	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
2-Methylnaphthalene	-	20	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
2-Methylphenol	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
3&4-Methylphenol	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Acenaphthene	-	29	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Acenaphthylene	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Acetophenone	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Aniline	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Anthracene	-	61	-	-	-	-	-	-	-	-	-	0.58	0.44	ND (0.42)	ND (0.53)	0.57	1.1	-	-	-
Benzo(a)anthracene	-	95	-	-	-	-	-	-	-	-	-	1.8	0.68	ND (0.42)	ND (0.53)	1.3	2.5	-	-	-
Benzo(a)pyrene	-	76	-	-	-	-	-	-	-	-	-	1.6	0.5	ND (0.42)	ND (0.53)	1.1	2.4	-	-	-
Benzo(b)fluoranthene	-	110	-	-	-	-	-	-	-	-	-	1.9	0.57	ND (0.42)	ND (0.53)	1.7	4.4	-	-	-
Benzo(g,h,i)perylene	-	15	-	-	-	-	-	-	-	-	-	1.1	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Benzo(k)fluoranthene	-	37	-	-	-	-	-	-	-	-	-	0.69	ND (0.41)	ND (0.42)	ND (0.53)	0.68	1.5	-	-	-
bis(2-Ethylhexyl)phthalate	-	16	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	1.1	-	-	-
Butyl benzylphthalate	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Carbazole	-	32	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Chrysene	-	92	-	-	-	-	-	-	-	-	-	1.7	0.57	ND (0.42)	ND (0.53)	1.2	2.6	-	-	-
Dibenz(a,h)anthracene	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Dibenzofuran	-	29	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Diethyl phthalate	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Di-n-butylphthalate	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Di-n-octyl phthalate	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Fluoranthene	-	250	-	-	-	-	-	-	-	-	-	3.4	1.4	ND (0.42)	ND (0.53)	2.4	4.9	-	-	-
Fluorene	-	40	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Indeno(1,2,3-cd)pyrene	-	20	-	-	-	-	-	-	-	-	-	1.1	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Isophorone	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Naphthalene	-	58	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
N-Nitrosodiphenylamine	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Phenanthrene	-	300	-	-	-	-	-	-	-	-	-	2.4	1.2	ND (0.42)	ND (0.53)	1.8	4.4	-	-	-
Phenol	-	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.53)	ND (0.36)	ND (0.73)	-	-	-
Pyrene	-	170	-	-	-	-	-	-	-	-	-	3.1	1.2	ND (0.42)	ND (0.53)	2.2	4.5	-	-	-
SUM of Semi-Volatile Organic Compounds	-	1493	-	-	-	-	-	-	-	-	-	36.67	6.56	ND	ND	12.95	31.7	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L14															L15				
Location Name	L14	L14	L14	L14	L14	L14	L14	L14	L14	L14	L14	L14A	L14A	L14A	L14A	L15	L15	L15	L15	L15
Sample Name	L14_S2_4-4.9	L14_S5_4-10	L14_S3_7-8	L14_S4_8-10	L14_S6_10-12	L14_S7_12-14	L14_S8_14-16	L14_S9_16-18	L14_S10_18-20	L14_S11_20-22	L14_S12_22-24	L14a_S1_4-9	L14a_S2_9-14	L14a_S3_14-19	L14a_S4_22-27	L15_S1_0.5-1.9	L15_S4_6-10	L15_S3_8-10	L15_S5_10-12	L15_S6_12-14
Sample Date	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	01/03/2011	01/03/2011	01/03/2011	01/03/2011	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010
Lab Sample ID	134292-23	134292-26 134292-53 134292-61 134569-4 134569-8	134292-24	134292-25	134292-27	134292-28	134292-29	134292-30	134292-31	134292-32	134292-33	138916-30 138916-42 138916-54 139127-4	138916-31 138916-43 138916-55 139127-5	138916-32 138916-44 138916-56	138916-33 138916-45 138916-57 139127-14	134292-1 134292-48 134292-56	134292-3 134292-49 134292-57 134569-1 134569-7	134292-64	134292-4	134292-5
Sample Depth (bgs)	4 - 4.9 (ft)	4 - 10 (ft)	7 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	4 - 9 (ft)	9 - 14 (ft)	14 - 19 (ft)	22 - 27 (ft)	0.5 - 1.9 (ft)	6 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)	16 to 15.1	16 to 10	13 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16 to 11	11 to 6	6 to 1	-2 to -7	19.5 to 18.1	14 to 10	12 to 10	10 to 8	8 to 6
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	3900	-	-	-	-	-	-	-	-	-	130	35	33	ND (32)	110	320	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	110	-	-	-	-	-	-	-	-	-	50	ND (26)	44	ND (32)	130	470	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	41	-	-	-	-	-	-	-	-	-	32	ND (26)	ND (26)	ND (32)	ND (33)	110	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	2.3	-	-	-	-	-	-	-	-	-	3	3.1	1.8	4.2	1.7	30	-	-	-
Arsenic	-	13	-	-	-	-	-	-	-	-	-	4.4	ND (3.9)	ND (3.8)	5.8	3.9	10	-	-	-
Barium	-	1400	-	-	-	-	-	-	-	-	-	64	49	34	55	58	250	-	-	-
Beryllium	-	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.41)	ND (0.39)	ND (0.38)	ND (0.5)	ND (0.33)	ND (0.34)	-	-	-
Cadmium	-	2.8	-	-	-	-	-	-	-	-	-	2.2	6.2	0.93	2	1.3	14	-	-	-
Chromium	-	35	-	-	-	-	-	-	-	-	-	18	23	21	44	27	60	-	-	-
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-
Lead	-	4200	-	-	-	-	-	-	-	-	-	170	240	33	15	48	2900	-	-	-
Mercury	-	1.5	-	-	-	-	-	-	-	-	-	0.56	0.29	0.26	0.066	0.37	1.7	-	-	-
Nickel	-	41	-	-	-	-	-	-	-	-	-	30	16	14	29	19	78	-	-	-
Selenium	-	ND (6)	-	-	-	-	-	-	-	-	-	ND (6.9)	ND (6.5)	ND (6.4)	ND (8.3)	ND (7)	ND (15)	-	-	-
Silver	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.4)	ND (1.3)	ND (1.3)	ND (1.7)	ND (1.1)	ND (1.1)	-	-	-
Thallium	-	ND (5.8)	-	-	-	-	-	-	-	-	-	ND (6.9)	ND (6.5)	ND (6.4)	ND (8.3)	ND (5.4)	ND (5.7)	-	-	-
Vanadium	-	48	-	-	-	-	-	-	-	-	-	51	39	33	69	37	110	-	-	-
Zinc	-	1000	-	-	-	-	-	-	-	-	-	820	170	48	66	73	1300	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	3.5	-	-	-	-	-	-	-	-	-	2.7	0.3	-	-	-	27	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	ND (2.2)	ND (0.05)	ND (0.052)
Aroclor-1221 (PCB-1221)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	ND (2.2)	ND (0.05)	ND (0.052)
Aroclor-1232 (PCB-1232)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	ND (2.2)	ND (0.05)	ND (0.052)
Aroclor-1242 (PCB-1242)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	ND (2.2)	ND (0.05)	ND (0.052)
Aroclor-1248 (PCB-1248)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	0.42	-	ND (2.2)	4.7	ND (0.052)
Aroclor-1254 (PCB-1254)	0.073	-	1.1	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	11	ND (0.05)	1.1
Aroclor-1260 (PCB-1260)	ND (0.045)	-	1.2	230	ND (0.055)	ND (0.051)	0.23	0.099	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	0.099	-	8.2	0.4	0.95
Aroclor-1262 (PCB-1262)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	ND (2.2)	ND (0.05)	ND (0.052)
Aroclor-1268 (PCB-1268)	ND (0.045)	-	ND (0.049)	ND (60)	ND (0.055)	ND (0.051)	ND (0.053)	ND (0.059)	ND (0.054)	ND (0.064)	ND (0.067)	-	-	-	-	ND (0.044)	-	ND (2.2)	ND (0.05)	ND (0.052)
SUM of PCBs	0.073	-	2.3	230	ND	ND	0.23	0.099	ND	ND	ND	-	-	-	-	0.519	-	19.2	5.1	2.05
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	165 >	165 >	165 >	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	450	-	-	-	-	-	-	-	-	-	-	-	-	550	-	490	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7.4	-	-	-	-	-	-	-	-	-	7.1	7.1	7	7.1	6.9	6.9	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (3)	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (1.3)	ND (1.4)	ND (2.2)	ND (1.5)	2.5	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	48	-	-	-	-	-	-	-	-	-	1.6	ND (1.3)	ND (1.4)	ND (2.2)	ND (1.5)	3.1	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (3)	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (1.3)	ND (1.4)	ND (2.2)	ND (1.5)	ND (1.8)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					L16													
Location Name	L15	L15	L15	L15	L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L17	L17
Sample Name	L15_S7_14-16	L15_S8_16-18	L15_S9_18-20	L15_S10_20-22	L16_S1_0.7-2.0	L16_S6_2.4-7.6	L16_S4_5.8-7.8	L16_S5_7.8-9.8	L16_S7_9.8-11.8	L16_S8_11.8-13.8	L16_S9_13.8-15.8	L16_S10_15.8-17.8	L16_S11_17.8-19.8	L16_S12_19.8-21.8	L16_S13_21.8-23.3	L16_S14_23.3-23.8	L17_S1_0.6-2.3	L17_S8_2.6-10.5
Sample Date	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	07/08/2010
Lab Sample ID	134292-6	134292-7	134292-8	134292-9	134292-62 134569-5	134292-39 134292-34 134292-55 134292-54 134292-63 134569-9	134292-37	134292-38	134292-40	134292-41	134292-42	134292-43	134292-44	134292-45	134292-46	134292-47	134611-1 134611-48 134611-55 134787-1	134611-49 134611-56 134611-8 134787-2
Sample Depth (bgs)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.7 - 2 (ft)	2.4 - 7.6 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.3 (ft)	23.3 - 23.8 (ft)	0.6 - 2.3 (ft)	2.6 - 10.5 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	19.1 to 17.8	17.4 to 12.2	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	19.1 to 17.4	17.1 to 9.2
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.005)	1.4	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.005)	2.1	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Acetone	-	-	-	-	ND (0.2)	ND (7.2)	-	-	-	-	-	-	-	-	-	-	ND (3.2)	ND (0.2)
Benzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Chlorobenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	0.84	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Ethylbenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Isopropylbenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
m,p-Xylenes	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Methylene chloride	-	-	-	-	ND (0.05)	ND (2.9)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	ND (0.05)
Naphthalene	-	-	-	-	ND (0.005)	1.9	-	-	-	-	-	-	-	-	-	-	0.33	ND (0.005)
n-Propylbenzene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
o-Xylene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Styrene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Tetrachloroethene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Toluene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
Trichloroethene	-	-	-	-	ND (0.005)	ND (0.72)	-	-	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	ND	6.24	-	-	-	-	-	-	-	-	-	-	0.33	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
1,2-Dichlorobenzene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
1,3-Dichlorobenzene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
1,4-Dichlorobenzene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
2,4-Dimethylphenol	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
2,4-Dinitrotoluene	-	-	-	-	ND (0.73)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
2,6-Dinitrotoluene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
2-Chloronaphthalene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
2-Methylnaphthalene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
2-Methylphenol	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
3&4-Methylphenol	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Acenaphthene	-	-	-	-	0.36	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Acenaphthylene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Acetophenone	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Aniline	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Anthracene	-	-	-	-	0.62	ND (1.8)	-	-	-	-	-	-	-	-	-	-	0.47	ND (0.35)
Benzo(a)anthracene	-	-	-	-	1.4	3.4	-	-	-	-	-	-	-	-	-	-	1.3	0.69
Benzo(a)pyrene	-	-	-	-	1.3	3.4	-	-	-	-	-	-	-	-	-	-	1.1	0.64
Benzo(b)fluoranthene	-	-	-	-	2	5.5	-	-	-	-	-	-	-	-	-	-	1.4	0.9
Benzo(g,h,i)perylene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	0.73	ND (0.35)
Benzo(k)fluoranthene	-	-	-	-	0.8	1.9	-	-	-	-	-	-	-	-	-	-	0.49	ND (0.35)
bis(2-Ethylhexyl)phthalate	-	-	-	-	0.62	2.1	-	-	-	-	-	-	-	-	-	-	0.68	1
Butyl benzylphthalate	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Carbazole	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Chrysene	-	-	-	-	1.4	3.8	-	-	-	-	-	-	-	-	-	-	1.3	0.74
Dibenz(a,h)anthracene	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Dibenzofuran	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Diethyl phthalate	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Di-n-butylphthalate	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Di-n-octyl phthalate	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Fluoranthene	-	-	-	-	2.8	7.1	-	-	-	-	-	-	-	-	-	-	2.5	1.4
Fluorene	-	-	-	-	0.43	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	-	-	-	0.4	ND (1.8)	-	-	-	-	-	-	-	-	-	-	0.84	ND (0.35)
Isophorone	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Naphthalene	-	-	-	-	0.65	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
N-Nitrosodiphenylamine	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Phenanthrene	-	-	-	-	2.5	4.8	-	-	-	-	-	-	-	-	-	-	1.6	1.2
Phenol	-	-	-	-	ND (0.36)	ND (1.8)	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.35)
Pyrene	-	-	-	-	2.6	5.7	-	-	-	-	-	-	-	-	-	-	2.1	1.1
SUM of Semi-Volatile Organic Compounds	-	-	-	-	17.88	37.7	-	-	-	-	-	-	-	-	-	-	14.51	7.67

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					L16													
Location Name	L15	L15	L15	L15	L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L16	L17	L17
Sample Name	L15_S7_14-16	L15_S8_16-18	L15_S9_18-20	L15_S10_20-22	L16_S1_0.7-2.0	L16_S6_2.4-7.6	L16_S4_5.8-7.8	L16_S5_7.8-9.8	L16_S7_9.8-11.8	L16_S8_11.8-13.8	L16_S9_13.8-15.8	L16_S10_15.8-17.8	L16_S11_17.8-19.8	L16_S12_19.8-21.8	L16_S13_21.8-23.3	L16_S14_23.3-23.8	L17_S1_0.6-2.3	L17_S8_2.6-10.5
Sample Date	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	07/08/2010
Lab Sample ID	134292-6	134292-7	134292-8	134292-9	134292-34 134292-54 134292-62 134569-5	134292-39 134292-55 134292-63 134569-6 134569-9	134292-37	134292-38	134292-40	134292-41	134292-42	134292-43	134292-44	134292-45	134292-46	134292-47	134611-1 134611-48 134611-55 134787-1	134611-49 134611-56 134611-8 134787-2
Sample Depth (bgs)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.7 - 2 (ft)	2.4 - 7.6 (ft)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.3 (ft)	23.3 - 23.8 (ft)	0.6 - 2.3 (ft)	2.6 - 10.5 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	2 to 0	0 to -2	19.1 to 17.8	17.4 to 12.2	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	19.1 to 17.4	17.1 to 9.2
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	100	560	-	-	-	-	-	-	-	-	-	-	99	230
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	150	740	-	-	-	-	-	-	-	-	-	-	120	290
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	ND (32)	200	-	-	-	-	-	-	-	-	-	-	ND (33)	38
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	1.5	150	-	-	-	-	-	-	-	-	-	-	3.6	12
Arsenic	-	-	-	-	4.1	ND (3.2)	-	-	-	-	-	-	-	-	-	-	ND (3.3)	ND (3.2)
Barium	-	-	-	-	80	550	-	-	-	-	-	-	-	-	-	-	61	81
Beryllium	-	-	-	-	ND (0.33)	ND (0.32)	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.32)
Cadmium	-	-	-	-	1.8	19	-	-	-	-	-	-	-	-	-	-	ND (0.56)	2.4
Chromium	-	-	-	-	25	96	-	-	-	-	-	-	-	-	-	-	22	26
Chromium VI (Hexavalent)	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	170	13000	-	-	-	-	-	-	-	-	-	-	140	1200
Mercury	-	-	-	-	0.32	3.2	-	-	-	-	-	-	-	-	-	-	0.48	0.66
Nickel	-	-	-	-	17	120	-	-	-	-	-	-	-	-	-	-	15	26
Selenium	-	-	-	-	ND (7)	ND (18)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (5.4)
Silver	-	-	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.1)
Thallium	-	-	-	-	ND (5.5)	ND (5.4)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (5.4)
Vanadium	-	-	-	-	30	170	-	-	-	-	-	-	-	-	-	-	26	37
Zinc	-	-	-	-	180	2600	-	-	-	-	-	-	-	-	-	-	98	430
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	ND (0.3)	430	-	-	-	-	-	-	-	-	-	-	ND (0.3)	180
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
Aroclor-1221 (PCB-1221)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
Aroclor-1232 (PCB-1232)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
Aroclor-1242 (PCB-1242)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
Aroclor-1248 (PCB-1248)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	0.24	-	140	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	0.092	ND (0.062)	ND (0.049)	0.27	-
Aroclor-1254 (PCB-1254)	0.065	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	0.14	0.17	ND (0.051)	ND (0.051)	ND (0.056)	0.058	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
Aroclor-1260 (PCB-1260)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	0.15	-	52	0.096	0.11	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	0.11	-
Aroclor-1262 (PCB-1262)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
Aroclor-1268 (PCB-1268)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.066)	ND (0.044)	-	ND (51)	ND (0.049)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.056)	ND (0.049)	ND (0.05)	ND (0.062)	ND (0.049)	ND (0.045)	-
SUM of PCBs	0.065	ND	ND	ND	0.39	-	192	0.236	0.28	ND	ND	ND	0.058	0.092	ND	ND	0.38	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	460	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	7.2	7.2	-	-	-	-	-	-	-	-	-	-	7.2	7.3
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.3)	1.6	-	-	-	-	-	-	-	-	-	-	3.8	ND (1)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	ND (1.3)	7.3	-	-	-	-	-	-	-	-	-	-	2.8	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.3)	5.2	-	-	-	-	-	-	-	-	-	-	ND (2.5)	ND (1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L17									L18								
Location Name	L17	L17	L17	L17	L17	L17	L17	L17	L17	L18	L18	L18	L18	L18	L18	L18	L18	L18
Sample Name	L17_S4_5.7-7.7	L17_S5_7.7-9.7	L17_S6_9.7-11.7	L17_S7_11.7-13.7	L17_S9_13.7-15.7	L17_S10_15.7-17.7	L17_S11_17.7-19.7	L17_S12_19.7-21.7	L17_S13_21.7-23.7	L18_S1_1-3.5	L18_S2_3.5-5.5	L18_S4_3.5-7.5	L18_S3_5.5-7.5	L18_S5_7.5-9.5	L18_S6_9.5-11.5	L18_S7_11.5-13.5	L18_S8_13.5-15.5	L18_S9_15.5-17.5
Sample Date	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
Lab Sample ID	134611-4	134611-5	134611-6	134611-7	134611-9	134611-10	134611-11	134611-12	134611-13	134053-53 134053-64 134053-73	134053-22	134053-58 134053-65 134053-74 134263-4	134053-23	134053-24	134053-25	134053-26	134053-27	134053-28
Sample Depth (bgs)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21.7 (ft)	21.7 - 23.7 (ft)	1 - 3.5 (ft)	3.5 - 5.5 (ft)	3.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 16	16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	ND (0.24)	-	ND (0.2)	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.059)	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	0.39	-	ND (0.35)	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	0.42	-	ND (0.35)	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	1.5	-	1.4	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	1.3	-	1.2	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	1.6	-	1.4	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	0.85	-	0.68	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	0.6	-	0.5	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	0.46	-	ND (0.35)	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	1.5	-	1.4	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	0.53	-	ND (0.35)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	3.5	-	3.1	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	0.75	-	ND (0.35)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	1	-	0.8	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	0.88	-	ND (0.35)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	3.9	-	3.3	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.35)	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	3.1	-	2.8	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	23.28	-	17.58	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L17									L18								
Location Name	L17	L17	L17	L17	L17	L17	L17	L17	L17	L18	L18	L18	L18	L18	L18	L18	L18	L18
Sample Name	L17_S4_5.7-7.7	L17_S5_7.7-9.7	L17_S6_9.7-11.7	L17_S7_11.7-13.7	L17_S9_13.7-15.7	L17_S10_15.7-17.7	L17_S11_17.7-19.7	L17_S12_19.7-21.7	L17_S13_21.7-23.7	L18_S1_1-3.5	L18_S2_3.5-5.5	L18_S4_3.5-7.5	L18_S3_5.5-7.5	L18_S5_7.5-9.5	L18_S6_9.5-11.5	L18_S7_11.5-13.5	L18_S8_13.5-15.5	L18_S9_15.5-17.5
Sample Date	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
Lab Sample ID	134611-4	134611-5	134611-6	134611-7	134611-9	134611-10	134611-11	134611-12	134611-13	134053-53 134053-64 134053-73	134053-22	134053-58 134053-65 134053-74 134263-4	134053-23	134053-24	134053-25	134053-26	134053-27	134053-28
Sample Depth (bgs)	5.7 - 7.7 (ft)	7.7 - 9.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	13.7 - 15.7 (ft)	15.7 - 17.7 (ft)	17.7 - 19.7 (ft)	19.7 - 21.7 (ft)	21.7 - 23.7 (ft)	1 - 3.5 (ft)	3.5 - 5.5 (ft)	3.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 16	16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	170	-	43	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	110	-	42	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (34)	-	ND (32)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.1)	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	ND (3.6)	-	ND (3.3)	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	46	-	37	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.33)	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	1.5	-	0.72	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	20	-	38	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	68	-	38	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	0.23	-	0.3	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	16	-	13	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (5.5)	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.1)	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	ND (6)	-	ND (5.5)	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	26	-	16	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	89	-	44	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1221 (PCB-1221)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1232 (PCB-1232)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1242 (PCB-1242)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1248 (PCB-1248)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	0.13	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1254 (PCB-1254)	ND (4.6)	ND (2.3)	ND (0.053)	1.1	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1260 (PCB-1260)	13	11	ND (0.053)	0.82	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1262 (PCB-1262)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
Aroclor-1268 (PCB-1268)	ND (4.6)	ND (2.3)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.06)	ND (0.053)	ND (0.048)	ND (0.05)	ND (0.048)	ND (0.047)	-	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.05)	ND (0.051)
SUM of PCBs	13	11	ND	1.92	ND	ND	ND	ND	ND	0.13	ND	-	ND	ND	ND	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	9	-	7.7	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					L3				L4				L5							
Location Name	L18	L18	L18	L18	L3	L3	L3	L3	L4	L4	L4	L4	L5	L5	L5	L5	L6	L6	L6	L6
Sample Name	L18_S10_17.5-19.5	L18_S11_19.5-21.5	L18_S12_21.5-23.5	L18_S13_23.5-25.5	L3_S1_0.0-0.8'	L3_S2_0.8-2.8'	L3_S3_2.8-4.8'	L3_S4_4.8-6.8'	L4_S1_1.3-2.3'	L4_S2_2.3-4.3'	L4_S3_4.3-6.3'	L4_S4_6.3-8.3'	L5_S1_1.6-2.6	L5_S2_2.6-4.6	L5_S3_4.6-6.6	L5_S4_6.6-8.6	L6_S1_0.7-5.2	L6_S2_6.7-8.7	L6_S3_8.7-10.7	L6_S4_10.7-12.7
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	07/01/2010	07/01/2010	07/01/2010	07/01/2010
Lab Sample ID	134053-29	134053-30	134053-31	134053-32	15K0757-05	15K0757-06	15K0757-07	15K0757-08	15K0836-01	15K0836-02	15K0836-03	15K0836-04	15K1175-06	15K1175-07	15K1175-08	15K1175-09	134447-22 134447-35 134447-41	134447-23 134447-36 134447-42 134642-4 134642-6	134447-24	134447-25
Sample Depth (bgs)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.7 - 5.2 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	16.8 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	19 to 14.5	13 to 11	11 to 9	9 to 7
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.05)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.075	ND (0.005)	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.075	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	0.68	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62	1.5	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	3	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	2.9	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	4.3	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	0.6	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	1.4	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	0.48	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	3.1	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	0.45	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7.3	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	0.66	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	0.87	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	ND (0.37)	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	5.5	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5.1	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.08	37.84	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					L3				L4				L5							
Location Name	L18	L18	L18	L18	L3	L3	L3	L3	L4	L4	L4	L4	L5	L5	L5	L5	L6	L6	L6	L6
Sample Name	L18_S10_17.5-19.5	L18_S11_19.5-21.5	L18_S12_21.5-23.5	L18_S13_23.5-25.5	L3_S1_0.0-0.8'	L3_S2_0.8-2.8'	L3_S3_2.8-4.8'	L3_S4_4.8-6.8'	L4_S1_1.3-2.3'	L4_S2_2.3-4.3'	L4_S3_4.3-6.3'	L4_S4_6.3-8.3'	L5_S1_1.6-2.6	L5_S2_2.6-4.6	L5_S3_4.6-6.6	L5_S4_6.6-8.6	L6_S1_0.7-5.2	L6_S2_6.7-8.7	L6_S3_8.7-10.7	L6_S4_10.7-12.7
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	07/01/2010	07/01/2010	07/01/2010	07/01/2010
Lab Sample ID	134053-29	134053-30	134053-31	134053-32	15K0757-05	15K0757-06	15K0757-07	15K0757-08	15K0836-01	15K0836-02	15K0836-03	15K0836-04	15K1175-06	15K1175-07	15K1175-08	15K1175-09	134447-22 134447-35 134447-41	134447-23 134447-36 134447-42 134642-4 134642-6	134447-24	134447-25
Sample Depth (bgs)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0.7 - 5.2 (ft)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	16.8 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	19 to 14.5	13 to 11	11 to 9	9 to 7
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (34)	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	4.6	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.3)	ND (3.4)	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	68	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.34)	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.98	1.9	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	120	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	120	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	1.8	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	21	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (9)	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.1)	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (5.7)	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	14	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	330	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.1)	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1221 (PCB-1221)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1232 (PCB-1232)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1242 (PCB-1242)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1248 (PCB-1248)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	0.61	ND (0.11)	2.2	ND (0.11)	ND (0.11)	0.17	ND (0.11)	ND (0.1)	0.21	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1254 (PCB-1254)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	1.5	0.34	3.9	ND (0.11)	0.15	0.32	ND (0.11)	ND (0.1)	0.37	ND (0.11)	ND (0.11)	ND (0.11)	0.24	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1260 (PCB-1260)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	0.54	0.27	1.5	ND (0.11)	ND (0.11)	0.37	ND (0.11)	ND (0.1)	0.11	ND (0.11)	ND (0.11)	ND (0.11)	0.25	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1262 (PCB-1262)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
Aroclor-1268 (PCB-1268)	ND (0.05)	ND (0.057)	ND (0.068)	ND (0.061)	ND (0.42)	ND (0.11)	ND (0.59)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.09)	ND (0.046)	ND (0.048)	ND (0.048)
SUM of PCBs	ND	ND	ND	ND	2.65	0.61	7.6	ND	0.15	0.86	ND	ND	0.69	ND	ND	ND	0.49	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	92.6	88.8	84.6	87.6	89.1	89.4	88.1	95.8	89.8	87.7	88.8	90.8	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6.8	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (1.7)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (1.7)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (1.7)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L6					L7														
Location Name	L6	L6	L6	L6	L6	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L8	L8	L8
Sample Name	L6_S5_12.7-14.7	L6_S6_14.7-16.7	L6_S7_16.7-18.7	L6_S8_18.7-20.7	L6_S9_20.7-22.7	L7_S1_0.8-4.7	L7_S2_6-8	L7_S3_8-10	L7_S8_5.2-14	L7_S4_10-12	L7_S5_12-14	L7_S6_14-16	L7_S7_16-18	L7_S9_18-20	L7_S10_20-22	L7_S11_22-23.5	L7_S12_23.5-24	L8_S1_0.5-5.0	L8_S2_5-10	L8_S3_10-15
Sample Date	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	06/28/2010	06/28/2010	06/28/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	12/20/2010	12/20/2010	12/20/2010
Lab Sample ID	134447-26	134447-27	134447-28	134447-29	134447-30	134316-37 134316-46 134316-53 134476-3	134316-31	134316-32	134368-22 134368-25 134368-5 134570-1	134368-1	134368-2	134368-3	134368-4	134368-6	134368-7	134368-8	134368-9	138726-12 138726-20 138726-26	138726-13 138726-21 138726-27 138880-2	138726-16 138726-22 138726-28 138880-4
Sample Depth (bgs)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.8 - 4.7 (ft)	6 - 8 (ft)	8 - 10 (ft)	5.2 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.5 (ft)	23.5 - 24 (ft)	0.5 - 5 (ft)	5 - 10 (ft)	10 - 15 (ft)
Sample Elevation (ft BCB)	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	19.2 to 15.3	14 to 12	12 to 10	14.8 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	18.6 to 14.1	14.1 to 9.1	9.1 to 4.1
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Acetone	-	-	-	-	-	ND (0.2)	-	-	ND (0.21)	-	-	-	-	-	-	-	-	ND (0.22)	ND (0.2)	ND (0.21)
Benzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Chlorobenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Ethylbenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Isopropylbenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Methylene chloride	-	-	-	-	-	ND (0.05)	-	-	ND (0.054)	-	-	-	-	-	-	-	-	ND (0.056)	ND (0.05)	ND (0.053)
Naphthalene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
n-Propylbenzene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Styrene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Toluene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.005)	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-	-	-	ND	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
1,2-Dichlorobenzene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
1,3-Dichlorobenzene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
1,4-Dichlorobenzene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
2,4-Dimethylphenol	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
2,4-Dinitrotoluene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
2,6-Dinitrotoluene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
2-Chloronaphthalene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
2-Methylnaphthalene	-	-	-	-	-	ND (1.8)	-	-	1.1	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
2-Methylphenol	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
3&4-Methylphenol	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Acenaphthene	-	-	-	-	-	1.8	-	-	2.8	-	-	-	-	-	-	-	-	0.52	ND (0.37)	ND (0.4)
Acenaphthylene	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	0.48	ND (0.4)
Acetophenone	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Aniline	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Anthracene	-	-	-	-	-	3.5	-	-	4	-	-	-	-	-	-	-	-	1.5	0.98	ND (0.4)
Benzo(a)anthracene	-	-	-	-	-	4.4	-	-	11	-	-	-	-	-	-	-	-	2.3	3.4	ND (0.4)
Benzo(a)pyrene	-	-	-	-	-	2.8	-	-	9.7	-	-	-	-	-	-	-	-	1.9	3	ND (0.4)
Benzo(b)fluoranthene	-	-	-	-	-	3.6	-	-	14	-	-	-	-	-	-	-	-	2.2	4	ND (0.4)
Benzo(g,h,i)perylene	-	-	-	-	-	ND (1.8)	-	-	2.2	-	-	-	-	-	-	-	-	0.61	1.2	ND (0.4)
Benzo(k)fluoranthene	-	-	-	-	-	ND (1.8)	-	-	5.3	-	-	-	-	-	-	-	-	0.76	1.5	ND (0.4)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (1.8)	-	-	0.53	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Butyl benzylphthalate	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Carbazole	-	-	-	-	-	ND (1.8)	-	-	2	-	-	-	-	-	-	-	-	0.53	ND (0.37)	ND (0.4)
Chrysene	-	-	-	-	-	4.4	-	-	11	-	-	-	-	-	-	-	-	2.2	3.5	ND (0.4)
Dibenz(a,h)anthracene	-	-	-	-	-	ND (1.8)	-	-	0.81	-	-	-	-	-	-	-	-	ND (0.37)	0.43	ND (0.4)
Dibenzofuran	-	-	-	-	-	ND (1.8)	-	-	1.8	-	-	-	-	-	-	-	-	0.55	ND (0.37)	ND (0.4)
Diethyl phthalate	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Di-n-butylphthalate	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Di-n-octyl phthalate	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Fluoranthene	-	-	-	-	-	9.5	-	-	26	-	-	-	-	-	-	-	-	4.7	7	0.57
Fluorene	-	-	-	-	-	ND (1.8)	-	-	2.4	-	-	-	-	-	-	-	-	0.72	0.37	ND (0.4)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	ND (1.8)	-	-	2.8	-	-	-	-	-	-	-	-	0.82	1.6	ND (0.4)
Isophorone	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Naphthalene	-	-	-	-	-	ND (1.8)	-	-	3.9	-	-	-	-	-	-	-	-	0.43	ND (0.37)	ND (0.4)
N-Nitrosodiphenylamine	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Phenanthrene	-	-	-	-	-	12	-	-	12	-	-	-	-	-	-	-	-	5.1	3.5	0.44
Phenol	-	-	-	-	-	ND (1.8)	-	-	ND (0.41)	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	ND (0.4)
Pyrene	-	-	-	-	-	9	-	-	17	-	-	-	-	-	-	-	-	4.4	5.9	0.55
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	51	-	-	130.34	-	-	-	-	-	-	-	-	29.24	36.86	1.56

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L6					L7														
Location Name	L6	L6	L6	L6	L6	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L7	L8	L8	L8
Sample Name	L6_S5_12.7-14.7	L6_S6_14.7-16.7	L6_S7_16.7-18.7	L6_S8_18.7-20.7	L6_S9_20.7-22.7	L7_S1_0.8-4.7	L7_S2_6-8	L7_S3_8-10	L7_S8_5.2-14	L7_S4_10-12	L7_S5_12-14	L7_S6_14-16	L7_S7_16-18	L7_S9_18-20	L7_S10_20-22	L7_S11_22-23.5	L7_S12_23.5-24	L8_S1_0.5-5.0	L8_S2_5-10	L8_S3_10-15
Sample Date	07/01/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	06/28/2010	06/28/2010	06/28/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	12/20/2010	12/20/2010	12/20/2010
Lab Sample ID	134447-26	134447-27	134447-28	134447-29	134447-30	134316-37 134316-46 134316-53 134476-3	134316-31	134316-32	134368-22 134368-25 134368-5 134570-1	134368-1	134368-2	134368-3	134368-4	134368-6	134368-7	134368-8	134368-9	138726-12 138726-20 138726-26	138726-13 138726-21 138726-27 138880-2	138726-16 138726-22 138726-28 138880-4
Sample Depth (bgs)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.8 - 4.7 (ft)	6 - 8 (ft)	8 - 10 (ft)	5.2 - 14 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.5 (ft)	23.5 - 24 (ft)	0.5 - 5 (ft)	5 - 10 (ft)	10 - 15 (ft)
Sample Elevation (ft BCB)	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	19.2 to 15.3	14 to 12	12 to 10	14.8 to 6	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -3.5	-3.5 to -4	18.6 to 14.1	14.1 to 9.1	9.1 to 4.1
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	190	-	-	240	-	-	-	-	-	-	-	-	98	140	ND (24)
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	200	-	-	57	-	-	-	-	-	-	-	-	87	67	41
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	ND (32)	-	-	ND (37)	-	-	-	-	-	-	-	-	ND (23)	ND (23)	ND (24)
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	1.1	-	-	3.9	-	-	-	-	-	-	-	-	1.9	2.8	2.2
Arsenic	-	-	-	-	-	3.3	-	-	4.6	-	-	-	-	-	-	-	-	ND (3.5)	5.1	ND (3.7)
Barium	-	-	-	-	-	58	-	-	74	-	-	-	-	-	-	-	-	72	57	54
Beryllium	-	-	-	-	-	ND (0.33)	-	-	ND (0.33)	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.33)	ND (0.37)
Cadmium	-	-	-	-	-	1.2	-	-	1.2	-	-	-	-	-	-	-	-	1.2	1.3	1.3
Chromium	-	-	-	-	-	20	-	-	9.9	-	-	-	-	-	-	-	-	19	18	32
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	-	-	-	-	-	130	-	-	230	-	-	-	-	-	-	-	-	88	200	34
Mercury	-	-	-	-	-	0.27	-	-	0.7	-	-	-	-	-	-	-	-	0.52	0.74	0.049
Nickel	-	-	-	-	-	14	-	-	11	-	-	-	-	-	-	-	-	15	16	23
Selenium	-	-	-	-	-	ND (5.4)	-	-	ND (5.5)	-	-	-	-	-	-	-	-	ND (5.8)	ND (5.6)	ND (6.1)
Silver	-	-	-	-	-	ND (1.1)	-	-	ND (1.1)	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.1)	ND (1.2)
Thallium	-	-	-	-	-	ND (5.4)	-	-	ND (5.5)	-	-	-	-	-	-	-	-	ND (5.8)	ND (5.6)	ND (6.1)
Vanadium	-	-	-	-	-	30	-	-	9.6	-	-	-	-	-	-	-	-	49	44	50
Zinc	-	-	-	-	-	100	-	-	140	-	-	-	-	-	-	-	-	93	99	57
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	ND (0.3)	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	2	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	1.6	ND (0.046)	ND (0.047)	-	0.094	0.098	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.05)	ND (0.051)	ND (0.052)	ND (0.055)	ND (0.43)	ND (0.046)	ND (0.047)	-	ND (0.055)	ND (0.057)	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.053)	ND (0.051)	ND (0.061)	-	-	-
SUM of PCBs	ND	ND	ND	ND	ND	3.6	ND	ND	-	0.094	0.098	ND	ND	ND	ND	ND	ND	-	-	-
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	-	165 >	165 >	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	9.1	-	-	6.5	-	-	-	-	-	-	-	-	7.1	6.8	7
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1)	-	-	ND (1.5)	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	ND (1)	-	-	4	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1)	-	-	2.2	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L8				L9	M10				M11										
Location Name	L8A	L8A	L8A	L8A	L9	M10	M10	M10	M10	M11	M11	M11	M11	M11	M11	M11	M11	M11	M11	M11
Sample Name	L8A_S1_2.1-3.1'	L8A_S2_3.1-5.1'	L8A_S3_5.1-7.1'	L8A_S4_7.1-9.1'	L9_S5_9.3-11.3	M10_S1_6.4-7.0	M10_S2_6.4-7.0	M10_S3_7.0-9.0	M10_S4_9.0-11.0	M11_S1_0-4	M11_S2_5-7	M11_S4_5-9	M11_S3_7-9	M11_S5_9-11	M11_S6_11-13	M11_S7_13-15	M11_S8_15-17	M11_S9_17-19	M11_S10_19-21	M11_S11_21-23
Sample Date	11/18/2015	11/18/2015	11/18/2015	11/18/2015	03/04/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID	15K0838-04	15K0838-05	15K0838-06	15K0838-07	15C0529-03	15C0080-01	15C0080-02	15C0080-03	15C0524-01	133615-14 133615-36 133615-43 133615-50	133615-15	133615-37 133615-44 133615-51 133764-2	133615-16	133615-17	133615-18	133615-19	133615-20	133615-21	133615-22	133615-10
Sample Depth (bgs)	2.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.3 - 11.3 (ft)	6.4 - 7 (ft)	6.4 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0 - 4 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	10 to 8	12.6 to 12	12.6 to 12	12 to 10	10 to 8	19.1 to 15.1	14.1 to 12.1	14.1 to 10.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0048)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0048)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	ND (0.12)	-	-	-	ND (0.2)	-	ND (0.27)	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0048)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	ND (0.0048)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0048)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	ND (0.012)	-	-	-	ND (0.05)	-	ND (0.069)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	ND (0.012)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	ND (0.0024)	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	ND (0.25)	-	-	-	ND (0.35)	-	0.38	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	ND (0.25)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	ND (0.25)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	ND (0.25)	-	-	-	0.51	-	0.93	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	ND (0.25)	-	-	-	1	-	2.2	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	ND (0.25)	-	-	-	0.94	-	2	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	0.29	-	-	-	1.1	-	2.4	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	ND (0.25)	-	-	-	0.48	-	0.77	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	ND (0.25)	-	-	-	0.42	-	0.93	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	0.65	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	0.38	-	-	-	0.93	-	2.2	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.25)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.97)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	0.43	-	-	-	2.3	-	4.5	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	ND (0.25)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	ND (0.25)	-	-	-	0.54	-	0.92	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	ND (0.49)	-	-	-	0.42	-	ND (0.38)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	ND (0.25)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	0.54	-	-	-	2.2	-	3.6	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	ND (0.49)	-	-	-	ND (0.35)	-	ND (0.38)	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	0.39	-	-	-	2	-	4	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	2.03	-	-	-	12.84	-	25.48	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	L8				L9	M10				M11										
Location Name	L8A	L8A	L8A	L8A	L9	M10	M10	M10	M10	M11	M11	M11	M11	M11	M11	M11	M11	M11	M11	M11
Sample Name	L8A_S1_2.1-3.1'	L8A_S2_3.1-5.1'	L8A_S3_5.1-7.1'	L8A_S4_7.1-9.1'	L9_S5_9.3-11.3	M10_S1_6.4-7.0	M10_S2_6.4-7.0	M10_S3_7.0-9.0	M10_S4_9.0-11.0	M11_S1_0-4	M11_S2_5-7	M11_S4_5-9	M11_S3_7-9	M11_S5_9-11	M11_S6_11-13	M11_S7_13-15	M11_S8_15-17	M11_S9_17-19	M11_S10_19-21	M11_S11_21-23
Sample Date	11/18/2015	11/18/2015	11/18/2015	11/18/2015	03/04/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID	15K0838-04	15K0838-05	15K0838-06	15K0838-07	15C0529-03	15C0080-01	15C0080-02	15C0080-03	15C0524-01	133615-14 133615-36 133615-43 133615-50	133615-15	133615-37 133615-44 133615-51 133764-2	133615-16	133615-17	133615-18	133615-19	133615-20	133615-21	133615-22	133615-10
Sample Depth (bgs)	2.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.3 - 11.3 (ft)	6.4 - 7 (ft)	6.4 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0 - 4 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)
Sample Elevation (ft BCB)	17 to 16	16 to 14	14 to 12	12 to 10	10 to 8	12.6 to 12	12.6 to 12	12 to 10	10 to 8	19.1 to 15.1	14.1 to 12.1	14.1 to 10.1	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -3.9
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	110	-	240	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	130	-	140	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (30)	-	68	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	1.2	-	6	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	9.2	-	-	-	ND (3.2)	-	ND (3.6)	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	73	-	-	-	8	-	68	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.32)	-	ND (0.36)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	1.5	-	-	-	ND (0.53)	-	2.6	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	7.5	-	-	-	2.9	-	17	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	88	-	-	-	5.5	-	290	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	0.057	-	-	-	0.034	-	0.12	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	ND (5.3)	-	ND (6)	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	ND (6.7)	-	-	-	ND (5.3)	-	ND (6)	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	ND (0.67)	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	ND (5.3)	-	ND (6)	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	3.2	-	34	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	12	-	53	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	0.22	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	0.13	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	0.13	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	0.095	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	0.36	0.055	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	-	ND (0.13)	ND (0.15)	ND (0.12)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	0.26	ND	ND	ND	ND	-	ND	ND	ND	0.58	0.15	-	ND	ND	ND	ND	ND	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	88.8	86.4	84.9	79	82.5	68.8	78.3	64.9	80.4	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (4)	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	6.5	-	-	-	6.7	-	6.6	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		M12																
Location Name	M11	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12A	M12A	M12A	M12A	M13
Sample Name	M11_S12_23-25	M12_S1_0.5-3	M12_S2_4-5	M12_S6_4-11.3	M12_S3_7.3-9.3	M12_S4_9.3-11.3	M12_S5_11.3-13.3	M12_S7_13.3-15.3	M12_S8_15.3-17.3	M12_S9_17.3-19.3	M12_S10_19.3-21.3	M12_S11_21.3-23.3	M12_S12_23.3-25.3	M12A_S1_3.3-7.3	M12A_S2_3.3-5.3	M12A_S3_5.3-7.3	Z3_S1_5.3-7.3	M13_S1_0.5-2.5
Sample Date	06/01/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/22/2010
Lab Sample ID	133615-11	133618-42 133618-52 133618-62	133618-1 133618-1RA1	133618-43 133618-53 133618-63 133765-1 133765-5	133618-2	133618-3 133618-3RA1	133618-4 133618-4RA1	133618-5	133618-6	133618-7	133618-8	133618-9	133618-10	15A0792-01 15A0974-01	15A0792-02	15A0792-03	15A0788-01	134176-37 134176-45 134176-51
Sample Depth (bgs)	23 - 25 (ft)	0.5 - 3 (ft)	4 - 5 (ft)	4 - 11.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	3.3 - 7.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	5.3 - 7.3 (ft)	0.5 - 2.5 (ft)
Sample Elevation (ft BCB)	-3.9 to -5.9	18.8 to 16.3	15.3 to 14.3	15.3 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	14 to 12	19 to 17
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	ND (0.006)
1,2,4-Trichlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	ND (0.006)
1,2,4-Trimethylbenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
1,2-Dichlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
1,3,5-Trichlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)
1,3,5-Trimethylbenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
1,3-Dichlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
1,4-Dichlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Acetone	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.096)	-	-	-	ND (0.22)
Benzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Chlorobenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Chloroform (Trichloromethane)	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	ND (0.006)
Cymene (p-Isopropyltoluene)	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Ethylbenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Isopropylbenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
m,p-Xylenes	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	ND (0.006)
Methyl Tert Butyl Ether	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0038)	-	-	-	ND (0.006)
Methylene chloride	-	ND (0.05)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.0096)	-	-	-	ND (0.056)
Naphthalene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0096)	-	-	-	ND (0.006)
n-Propylbenzene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
o-Xylene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Styrene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Tetrachloroethene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Toluene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
Trichloroethene	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.0019)	-	-	-	ND (0.006)
SUM of Volatile Organic Compounds	-	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	ND (0.34)	-	1.2	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
1,2-Dichlorobenzene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
1,3-Dichlorobenzene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
1,4-Dichlorobenzene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
2,4-Dimethylphenol	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
2,4-Dinitrotoluene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
2,6-Dinitrotoluene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
2-Chloronaphthalene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
2-Methylnaphthalene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	ND (0.35)
2-Methylphenol	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
3&4-Methylphenol	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Acenaphthene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	ND (0.35)
Acenaphthylene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	ND (0.35)
Acetophenone	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Aniline	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Anthracene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.2	-	-	-	0.43
Benzo(a)anthracene	-	0.71	-	1.4	-	-	-	-	-	-	-	-	-	3.1	-	-	-	0.72
Benzo(a)pyrene	-	0.71	-	1.5	-	-	-	-	-	-	-	-	-	2.5	-	-	-	0.64
Benzo(b)fluoranthene	-	1	-	2.1	-	-	-	-	-	-	-	-	-	3.3	-	-	-	0.88
Benzo(g,h,i)perylene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.5	-	-	-	ND (0.35)
Benzo(k)fluoranthene	-	0.4	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.4	-	-	-	ND (0.35)
bis(2-Ethylhexyl)phthalate	-	ND (0.34)	-	1	-	-	-	-	-	-	-	-	-	3.5	-	-	-	ND (0.35)
Butyl benzylphthalate	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Carbazole	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)
Chrysene	-	0.72	-	1.6	-	-	-	-	-	-	-	-	-	3.3	-	-	-	0.74
Dibenz(a,h)anthracene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	ND (0.35)
Dibenzofuran	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Diethyl phthalate	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Di-n-butylphthalate	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Di-n-octyl phthalate	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (3.2)	-	-	-	ND (0.35)
Fluoranthene	-	1.3	-	3.1	-	-	-	-	-	-	-	-	-	7.3	-	-	-	1.4
Fluorene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	1.6	-	-	-	ND (0.35)
Isophorone	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Naphthalene	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-	-	ND (0.35)
N-Nitrosodiphenylamine	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)
Phenanthrene	-	0.86	-	2.1	-	-	-	-	-	-	-	-	-	4.9	-	-	-	0.93
Phenol	-	ND (0.34)	-	ND (0.77)	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-	ND (0.35)
Pyrene	-	0.99	-	2.5	-	-	-	-	-	-	-	-	-	7.1	-	-	-	1.3
SUM of Semi-Volatile Organic Compounds	-	6.69	-	16.5	-	-	-	-	-	-	-	-	-	40.7	-	-	-	7.04

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		M12																
Location Name	M11	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12	M12A	M12A	M12A	M12A	M13
Sample Name	M11_S12_23-25	M12_S1_0.5-3	M12_S2_4-5	M12_S6_4-11.3	M12_S3_7.3-9.3	M12_S4_9.3-11.3	M12_S5_11.3-13.3	M12_S7_13.3-15.3	M12_S8_15.3-17.3	M12_S9_17.3-19.3	M12_S10_19.3-21.3	M12_S11_21.3-23.3	M12_S12_23.3-25.3	M12A_S1_3.3-7.3	M12A_S2_3.3-5.3	M12A_S3_5.3-7.3	Z3_S1_5.3-7.3	M13_S1_0.5-2.5
Sample Date	06/01/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/22/2010
Lab Sample ID	133615-11	133618-42 133618-52 133618-62	133618-1 133618-1RA1	133618-43 133618-53 133618-63 133765-1 133765-5	133618-2	133618-3 133618-3RA1	133618-4 133618-4RA1	133618-5	133618-6	133618-7	133618-8	133618-9	133618-10	15A0792-01 15A0974-01	15A0792-02	15A0792-03	15A0788-01	134176-37 134176-45 134176-51
Sample Depth (bgs)	23 - 25 (ft)	0.5 - 3 (ft)	4 - 5 (ft)	4 - 11.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	3.3 - 7.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	5.3 - 7.3 (ft)	0.5 - 2.5 (ft)
Sample Elevation (ft BCB)	-3.9 to -5.9	18.8 to 16.3	15.3 to 14.3	15.3 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 12	16 to 14	14 to 12	14 to 12	19 to 17
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	2600	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	62	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	77
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	71	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	66
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (33)	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (32)
Inorganic Compounds (mg/kg)																		
Antimony	-	2.4	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5
Arsenic	-	ND (3.4)	-	ND (3.8)	-	-	-	-	-	-	-	-	-	3.9	-	-	-	ND (3.2)
Barium	-	58	-	310	-	-	-	-	-	-	-	-	-	250	-	-	-	79
Beryllium	-	ND (0.34)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.32)
Cadmium	-	1	-	9.1	-	-	-	-	-	-	-	-	-	5.8	-	-	-	1.6
Chromium	-	28	-	49	-	-	-	-	-	-	-	-	-	36	-	-	-	30
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	65	-	6100	-	-	-	-	-	-	-	-	-	2000	-	-	-	92
Mercury	-	0.1	-	1.5	-	-	-	-	-	-	-	-	-	1.5	-	-	-	0.18
Nickel	-	17	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Selenium	-	ND (5.7)	-	ND (6.3)	-	-	-	-	-	-	-	-	-	ND (5.8)	-	-	-	5.5
Silver	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	-	-	-	ND (1.1)
Thallium	-	ND (5.7)	-	ND (6.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)
Vanadium	-	32	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Zinc	-	87	-	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	120
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	72	-	-	-	-	-	-	-	-	-	62	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (0.045)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (0.045)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (0.045)
Aroclor-1242 (PCB-1242)	ND (0.04)	0.61	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (0.045)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	0.42	24	14	2.9
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	170	6.5	0.48	1.7	2.2	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	0.26	31	17	ND (0.045)
Aroclor-1260 (PCB-1260)	ND (0.04)	0.2	120	5.9	0.42	1.8	1.5	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	0.13	16	8.9	0.39
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (0.045)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (10)	ND (0.49)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.053)	ND (0.057)	ND (0.05)	-	ND (0.11)	ND (4.6)	ND (2.3)	ND (0.045)
SUM of PCBs	ND	0.81	290	12.4	0.9	3.5	3.7	ND	ND	ND	ND	ND	ND	-	0.81	71	39.9	3.29
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	84.4	89.6	85.9	86.2	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-
pH Corrosivity (pH units)	-	6.9	-	6.9	-	-	-	-	-	-	-	-	-	8.2	-	-	-	7.2
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.4)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.4)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.4)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.9)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	M13									M14								
Location Name	M13	M13	M13	M13	M13	M13	M13	M13	M13	M14	M14	M14	M14	M14	M14	M14	M14	M14
Sample Name	M13_S4_2.5-6.5	M13_S3_4.5-6.5	M13_S5_8.5-10.5	M13_S6_10.5-12.5	M13_S7_12.5-14.5	M13_S8_14.5-16.5	M13_S9_16.5-18.5	M13_S10_18.5-20.5	M13_S11_20.5-22.5	M14_S1_0.5-2.0	M14_S2_2.5-4.0	M14_S5_2.5-6.3	M14_S3_4.0-6.0	M14_S4_6.0-6.3	M14_S6_9.0-11.0	M14_S7_11.0-13.0	M14_S8_13.0-15.0	M14_S9_15.0-17.0
Sample Date	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	134176-40 134176-46 134176-52	134176-30	134176-31	134176-32	134176-33	134176-34	134176-24	134176-25	134176-26	133689-1 133689-49 133689-58	133689-2	133689-5 133689-50 133689-59 133883-1	133689-3	133689-4	133689-6	133689-7	133689-8	133689-9
Sample Depth (bgs)	2.5 - 6.5 (ft)	4.5 - 6.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	0.5 - 2 (ft)	2.5 - 4 (ft)	2.5 - 6.3 (ft)	4 - 6 (ft)	6 - 6.3 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)	17 to 13	15 to 13	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	19.1 to 17.6	17.1 to 15.6	17.1 to 13.3	15.6 to 13.6	13.6 to 13.3	10.6 to 8.6	8.6 to 6.6	6.6 to 4.6	4.6 to 2.6
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	0.022	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	0.018	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	0.014	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Acetone	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.25)	-	-	-	-	-	-
Benzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Chlorobenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	0.006	-	-	-	-	-	-
Ethylbenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Isopropylbenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
m,p-Xylenes	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Methylene chloride	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.081)	-	ND (0.063)	-	-	-	-	-	-
Naphthalene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	0.016	-	-	-	-	-	-
n-Propylbenzene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
o-Xylene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Styrene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Tetrachloroethene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Toluene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
Trichloroethene	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.006)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	-	-	-	-	-	-	-	-	ND	-	0.076	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
2-Methylphenol	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
3&4-Methylphenol	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Acenaphthene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Acenaphthylene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Acetophenone	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Aniline	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Anthracene	ND (0.39)	-	-	-	-	-	-	-	-	0.35	-	ND (0.43)	-	-	-	-	-	-
Benzo(a)anthracene	0.63	-	-	-	-	-	-	-	-	0.87	-	ND (0.43)	-	-	-	-	-	-
Benzo(a)pyrene	0.54	-	-	-	-	-	-	-	-	0.83	-	ND (0.43)	-	-	-	-	-	-
Benzo(b)fluoranthene	0.77	-	-	-	-	-	-	-	-	1.1	-	ND (0.43)	-	-	-	-	-	-
Benzo(g,h,i)perylene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Benzo(k)fluoranthene	ND (0.39)	-	-	-	-	-	-	-	-	0.41	-	ND (0.43)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Carbazole	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Chrysene	0.61	-	-	-	-	-	-	-	-	0.92	-	ND (0.43)	-	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Dibenzofuran	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Diethyl phthalate	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Fluoranthene	1.4	-	-	-	-	-	-	-	-	1.7	-	ND (0.43)	-	-	-	-	-	-
Fluorene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ND (0.39)	-	-	-	-	-	-	-	-	0.36	-	ND (0.43)	-	-	-	-	-	-
Isophorone	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Naphthalene	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
N-Nitrosodiphenylamine	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Phenanthrene	1.3	-	-	-	-	-	-	-	-	1.3	-	ND (0.43)	-	-	-	-	-	-
Phenol	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.43)	-	-	-	-	-	-
Pyrene	1.2	-	-	-	-	-	-	-	-	1.4	-	ND (0.43)	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	6.45	-	-	-	-	-	-	-	-	9.24	-	ND	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	M13									M14								
Location Name	M13	M13	M13	M13	M13	M13	M13	M13	M13	M14	M14	M14	M14	M14	M14	M14	M14	M14
Sample Name	M13_S4_2.5-6.5	M13_S3_4.5-6.5	M13_S5_8.5-10.5	M13_S6_10.5-12.5	M13_S7_12.5-14.5	M13_S8_14.5-16.5	M13_S9_16.5-18.5	M13_S10_18.5-20.5	M13_S11_20.5-22.5	M14_S1_0.5-2.0	M14_S2_2.5-4.0	M14_S5_2.5-6.3	M14_S3_4.0-6.0	M14_S4_6.0-6.3	M14_S6_9.0-11.0	M14_S7_11.0-13.0	M14_S8_13.0-15.0	M14_S9_15.0-17.0
Sample Date	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	134176-40 134176-46 134176-52	134176-30	134176-31	134176-32	134176-33	134176-34	134176-24	134176-25	134176-26	133689-1 133689-49 133689-58	133689-2	133689-5 133689-50 133689-59 133883-1	133689-3	133689-4	133689-6	133689-7	133689-8	133689-9
Sample Depth (bgs)	2.5 - 6.5 (ft)	4.5 - 6.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	0.5 - 2 (ft)	2.5 - 4 (ft)	2.5 - 6.3 (ft)	4 - 6 (ft)	6 - 6.3 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)	17 to 13	15 to 13	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	19.1 to 17.6	17.1 to 15.6	17.1 to 13.3	15.6 to 13.6	13.6 to 13.3	10.6 to 8.6	8.6 to 6.6	6.6 to 4.6	4.6 to 2.6
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	240	-	-	-	-	-	-	-	-	88	-	120	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	260	-	-	-	-	-	-	-	-	110	-	150	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (35)	-	-	-	-	-	-	-	-	ND (33)	-	45	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	1.8	-	-	-	-	-	-	-	-	2.6	-	1.8	-	-	-	-	-	-
Arsenic	ND (3.5)	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.8)	-	-	-	-	-	-
Barium	46	-	-	-	-	-	-	-	-	63	-	32	-	-	-	-	-	-
Beryllium	ND (0.35)	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.38)	-	-	-	-	-	-
Cadmium	1.1	-	-	-	-	-	-	-	-	1.1	-	ND (0.64)	-	-	-	-	-	-
Chromium	17	-	-	-	-	-	-	-	-	24	-	11	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	85	-	-	-	-	-	-	-	-	88	-	160	-	-	-	-	-	-
Mercury	0.12	-	-	-	-	-	-	-	-	0.79	-	0.2	-	-	-	-	-	-
Nickel	13	-	-	-	-	-	-	-	-	15	-	ND (6.4)	-	-	-	-	-	-
Selenium	ND (5.8)	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.4)	-	-	-	-	-	-
Silver	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-
Thallium	ND (5.8)	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (6.4)	-	-	-	-	-	-
Vanadium	24	-	-	-	-	-	-	-	-	33	-	12	-	-	-	-	-	-
Zinc	85	-	-	-	-	-	-	-	-	97	-	58	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	1.7	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	-	76	0.36	0.074	0.11	ND (0.051)	ND (0.053)	0.059	ND (0.052)	ND (0.04)	0.084	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	-	68	0.28	0.084	0.13	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	0.42	0.055	26	110	350	0.46	0.4	0.083	0.19
Aroclor-1262 (PCB-1262)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	-	ND (9.6)	ND (0.048)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	ND (4.4)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	-	144	0.64	0.158	0.24	ND	ND	0.059	ND	2.12	0.139	26	110	350	0.46	0.4	0.083	0.19
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (100)	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	8.3	-	-	-	-	-	-	-	-	7.8	-	9	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (2)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	1.4	-	-	-	-	-	-	-	-	ND (1.3)	-	2.7	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.2)	-	-	-	-	-	-	-	-	ND (1.3)	-	4.4	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid									M15									
Location Name	M14	M14	M14	M14A	M14A	M14A	M14A	M14A	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15
Sample Name	M14_S10_17.0-19.0	M14_S11_19.0-21.0	M14_S12_21.0-23.0	M14A_S1_2-7.5	M14A_S2_5.5-7.5	Z1_S1_5.5-7.5	M14A_S3_7.5-9.5	Z1_S2_7.5-9.5	M15_S1_1-2.5	M15_S2_5-5.5	M15_S5_5-9.5	M15_S3_5.5-7.5	M15_S4_7.5-9.5	M15_S6_9.5-11.5	M15_S7_11.5-13.5	M15_S8_13.5-15.5	M15_S9_15.5-17.5	M15_S10_17.5-19.5
Sample Date	06/04/2010	06/04/2010	06/04/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010
Lab Sample ID	133689-10	133689-11	133689-12	15A0796-01	15A0796-02	15A0789-01	15A0796-03	15A0789-02	134654-1 134654-31 134654-36	134654-2	134654-32 134654-37 134654-5 134865-1 134865-4	134654-3	134654-4	134654-6	134654-7	134654-8	134654-9	134654-10
Sample Depth (bgs)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	2 - 7.5 (ft)	5.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	1 - 2.5 (ft)	5 - 5.5 (ft)	5 - 9.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)
Sample Elevation (ft BCB)	2.6 to 0.6	0.6 to -1.4	-1.4 to -3.4	17.5 to 12	14 to 12	14 to 12	12 to 10	12 to 10	18.5 to 17	14.5 to 14	14.5 to 10	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	ND (0.0032)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.0032)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Acetone	-	-	-	ND (0.081)	-	-	-	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-
Benzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.0032)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	0.0016	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	ND (0.0032)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.0032)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Methylene chloride	-	-	-	ND (0.0081)	-	-	-	-	ND (0.05)	-	ND (0.05)	-	-	-	-	-	-	-
Naphthalene	-	-	-	ND (0.0081)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Styrene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Toluene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	0.0016	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	0.56	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Acenaphthene	-	-	-	0.24	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	ND (0.19)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Acetophenone	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Aniline	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Anthracene	-	-	-	0.54	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	1.1	-	-	-	-	0.49	-	0.65	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	0.88	-	-	-	-	0.47	-	0.63	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	1.1	-	-	-	-	0.62	-	0.94	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	0.52	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	0.43	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	0.39	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Chrysene	-	-	-	1.2	-	-	-	-	0.49	-	0.64	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	ND (0.19)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	0.45	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	0.69	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	ND (0.75)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	-	-	-	3.1	-	-	-	-	1	-	1.2	-	-	-	-	-	-	-
Fluorene	-	-	-	0.32	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	0.54	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Isophorone	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Naphthalene	-	-	-	2	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Phenanthrene	-	-	-	2.7	-	-	-	-	0.63	-	0.67	-	-	-	-	-	-	-
Phenol	-	-	-	ND (0.38)	-	-	-	-	ND (0.36)	-	ND (0.36)	-	-	-	-	-	-	-
Pyrene	-	-	-	2.8	-	-	-	-	0.9	-	1.1	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	18.48	-	-	-	-	4.6	-	6.91	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid									M15									
Location Name	M14	M14	M14	M14A	M14A	M14A	M14A	M14A	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15
Sample Name	M14_S10_17.0-19.0	M14_S11_19.0-21.0	M14_S12_21.0-23.0	M14A_S1_2-7.5	M14A_S2_5.5-7.5	Z1_S1_5.5-7.5	M14A_S3_7.5-9.5	Z1_S2_7.5-9.5	M15_S1_1-2.5	M15_S2_5-5.5	M15_S5_5-9.5	M15_S3_5.5-7.5	M15_S4_7.5-9.5	M15_S6_9.5-11.5	M15_S7_11.5-13.5	M15_S8_13.5-15.5	M15_S9_15.5-17.5	M15_S10_17.5-19.5
Sample Date	06/04/2010	06/04/2010	06/04/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010	07/12/2010
Lab Sample ID	133689-10	133689-11	133689-12	15A0796-01	15A0796-02	15A0789-01	15A0796-03	15A0789-02	134654-1 134654-31 134654-36	134654-2	134654-32 134654-37 134654-5 134865-1 134865-4	134654-3	134654-4	134654-6	134654-7	134654-8	134654-9	134654-10
Sample Depth (bgs)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	2 - 7.5 (ft)	5.5 - 7.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 9.5 (ft)	1 - 2.5 (ft)	5 - 5.5 (ft)	5 - 9.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)
Sample Elevation (ft BCB)	2.6 to 0.6	0.6 to -1.4	-1.4 to -3.4	17.5 to 12	14 to 12	14 to 12	12 to 10	12 to 10	18.5 to 17	14.5 to 14	14.5 to 10	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	130	-	150	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	170	-	220	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (32)	-	57	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	4.1	-	15	-	-	-	-	-	-	-
Arsenic	-	-	-	ND (2.7)	-	-	-	-	ND (3.5)	-	ND (3.4)	-	-	-	-	-	-	-
Barium	-	-	-	69	-	-	-	-	45	-	93	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-
Cadmium	-	-	-	0.73	-	-	-	-	1.7	-	5	-	-	-	-	-	-	-
Chromium	-	-	-	14	-	-	-	-	30	-	160	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-
Lead	-	-	-	83	-	-	-	-	62	-	1700	-	-	-	-	-	-	-
Mercury	-	-	-	0.19	-	-	-	-	0.44	-	0.37	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	21	-	88	-	-	-	-	-	-	-
Selenium	-	-	-	ND (5.4)	-	-	-	-	ND (5.8)	-	ND (5.7)	-	-	-	-	-	-	-
Silver	-	-	-	ND (0.54)	-	-	-	-	ND (1.2)	-	ND (1.1)	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (5.8)	-	ND (5.7)	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	44	-	290	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	100	-	440	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (0.045)	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (0.045)	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (0.045)	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (0.045)	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	1.2	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.04)	0.15	ND (0.04)	-	0.25	0.22	4.6	ND (4.5)	ND (0.045)	43	-	44	10	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1260 (PCB-1260)	ND (0.04)	0.26	0.17	-	0.14	ND (0.11)	13	29	0.28	34	-	34	9.2	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (0.045)	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.11)	ND (0.11)	ND (2.5)	ND (4.5)	ND (0.045)	ND (4.2)	-	ND (4.6)	ND (4.5)	ND (0.053)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.053)
SUM of PCBs	ND	0.41	0.17	-	0.39	0.22	17.6	29	1.48	77	-	78	19.2	ND	ND	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	89.9	87.7	88	79.7	85.4	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (3.9)	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (20)	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	61	-	-	-	-	-	-	430	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	11	-	-	-	-	6.8	-	7.1	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			M16															
Location Name	M15	M15	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M17	M17	M17
Sample Name	M15_S11_19.5-21.5	M15_S12_21.5-23.5	M16_S1_1.0-1.6	M16_S3_3.6-5.6	M16_S4_5.6-7.6	M16_S6_2.0-8.9	M16_S5_7.6-9.6	M16_S7_9.6-11.6	M16_S8_11.6-13.6	M16_S9_13.6-15.6	M16_S10_15.6-17.6	M16_S11_17.6-19.6	M16_S12_19.6-21.6	M16_S13_21.6-23.6	M16_S14_23.6-25.6	M17_S1_0.4-2.2	M17_S5_3.4-9.4	M17_S3_5.4-7.4
Sample Date	07/12/2010	07/12/2010	07/07/2010	07/07/2010	07/07/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/21/2010	07/21/2010	07/21/2010
																	134943-27	
			134565-16			134611-15											134943-30	
			134565-20			134611-50										134943-24	134943-35	
			134565-23			134611-57										134943-29	135123-2	
Lab Sample ID	134654-11	134654-12	134744-2	134565-13	134565-14	134787-3	134611-14	134611-16	134611-17	134611-18	134611-19	134611-20	134611-21	134611-22	134611-23	134943-34	135123-4	134943-2
Sample Depth (bgs)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1 - 1.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	2 - 8.9 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	0.4 - 2.2 (ft)	3.4 - 9.4 (ft)	5.4 - 7.4 (ft)
Sample Elevation (ft BCB)	0 to -2	-2 to -4	18.6 to 18	16 to 14	14 to 12	17.6 to 10.7	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	19 to 17.2	16 to 10	14 to 12
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	0.016	-
1,2,4-Trichlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	0.016	-
1,2,4-Trimethylbenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
1,2-Dichlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
1,3,5-Trichlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
1,3,5-Trimethylbenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
1,3-Dichlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
1,4-Dichlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Acetone	-	-	ND (0.2)	-	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.24)	ND (0.25)	-
Benzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Chlorobenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Chloroform (Trichloromethane)	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Ethylbenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Isopropylbenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
m,p-Xylenes	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Methyl Tert Butyl Ether	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Methylene chloride	-	-	ND (0.05)	-	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.059)	ND (0.063)	-
Naphthalene	-	-	0.005	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
n-Propylbenzene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
o-Xylene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Styrene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Tetrachloroethene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Toluene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
Trichloroethene	-	-	ND (0.005)	-	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-
SUM of Volatile Organic Compounds	-	-	0.005	-	-	ND	-	-	-	-	-	-	-	-	-	ND	0.032	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	ND (0.37)	-	-	0.66	-	-	-	-	-	-	-	-	-	ND (0.37)	0.64	-
1,2-Dichlorobenzene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
1,3-Dichlorobenzene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
1,4-Dichlorobenzene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
2,4-Dimethylphenol	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
2,4-Dinitrotoluene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
2,6-Dinitrotoluene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
2-Chloronaphthalene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
2-Methylnaphthalene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
2-Methylphenol	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
3&4-Methylphenol	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Acenaphthene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	0.65	-
Acenaphthylene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Acetophenone	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Aniline	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Anthracene	-	-	0.69	-	-	0.56	-	-	-	-	-	-	-	-	-	0.39	1.2	-
Benzo(a)anthracene	-	-	1.6	-	-	1.7	-	-	-	-	-	-	-	-	-	0.76	1.9	-
Benzo(a)pyrene	-	-	1.4	-	-	1.7	-	-	-	-	-	-	-	-	-	0.65	1.4	-
Benzo(b)fluoranthene	-	-	1.9	-	-	2.6	-	-	-	-	-	-	-	-	-	0.8	2	-
Benzo(g,h,i)perylene	-	-	0.43	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	0.62	-
Benzo(k)fluoranthene	-	-	0.62	-	-	0.86	-	-	-	-	-	-	-	-	-	ND (0.37)	0.68	-
bis(2-Ethylhexyl)phthalate	-	-	0.63	-	-	1.6	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Butyl benzylphthalate	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Carbazole	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	0.58	-
Chrysene	-	-	1.5	-	-	1.8	-	-	-	-	-	-	-	-	-	0.75	1.9	-
Dibenz(a,h)anthracene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Dibenzofuran	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	0.47	-
Diethyl phthalate	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Di-n-butylphthalate	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Di-n-octyl phthalate	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Fluoranthene	-	-	3	-	-	3.4	-	-	-	-	-	-	-	-	-	1.6	4.6	-
Fluorene	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	0.63	-
Indeno(1,2,3-cd)pyrene	-	-	0.6	-	-	0.6	-	-	-	-	-	-	-	-	-	ND (0.37)	0.8	-
Isophorone	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Naphthalene	-	-	0.62	-	-	0.37	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
N-Nitrosodiphenylamine	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Phenanthrene	-	-	2.5	-	-	2.2	-	-	-	-	-	-	-	-	-	1.4	4.7	-
Phenol	-	-	ND (0.37)	-	-	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.39)	-
Pyrene	-	-	2.6	-	-	2.5	-	-	-	-	-	-	-	-	-	1.3	4.1	-
SUM of Semi-Volatile Organic Compounds	-	-	18.09	-	-	20.55	-	-	-	-	-	-	-	-	-	7.65	26.87	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			M16															
Location Name	M15	M15	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M16	M17	M17	M17
Sample Name	M15_S11_19.5-21.5	M15_S12_21.5-23.5	M16_S1_1.0-1.6	M16_S3_3.6-5.6	M16_S4_5.6-7.6	M16_S6_2.0-8.9	M16_S5_7.6-9.6	M16_S7_9.6-11.6	M16_S8_11.6-13.6	M16_S9_13.6-15.6	M16_S10_15.6-17.6	M16_S11_17.6-19.6	M16_S12_19.6-21.6	M16_S13_21.6-23.6	M16_S14_23.6-25.6	M17_S1_0.4-2.2	M17_S5_3.4-9.4	M17_S3_5.4-7.4
Sample Date	07/12/2010	07/12/2010	07/07/2010	07/07/2010	07/07/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/21/2010	07/21/2010	07/21/2010
Lab Sample ID	134654-11	134654-12	134565-16 134565-20 134565-23 134744-2	134565-13	134565-14	134611-15 134611-50 134611-57 134787-3	134611-14	134611-16	134611-17	134611-18	134611-19	134611-20	134611-21	134611-22	134611-23	134943-24 134943-29 134943-34	134943-27 134943-30 134943-35 135123-2 135123-4	134943-2
Sample Depth (bgs)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1 - 1.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	2 - 8.9 (ft)	7.6 - 9.6 (ft)	9.6 - 11.6 (ft)	11.6 - 13.6 (ft)	13.6 - 15.6 (ft)	15.6 - 17.6 (ft)	17.6 - 19.6 (ft)	19.6 - 21.6 (ft)	21.6 - 23.6 (ft)	23.6 - 25.6 (ft)	0.4 - 2.2 (ft)	3.4 - 9.4 (ft)	5.4 - 7.4 (ft)
Sample Elevation (ft BCB)	0 to -2	-2 to -4	18.6 to 18	16 to 14	14 to 12	17.6 to 10.7	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	19 to 17.2	16 to 10	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	120	-	-	390	-	-	-	-	-	-	-	-	-	110	250	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	160	-	-	500	-	-	-	-	-	-	-	-	-	90	260	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (33)	-	-	120	-	-	-	-	-	-	-	-	-	ND (34)	64	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	4.2	-	-	4.8	-	-	-	-	-	-	-	-	-	ND (1.1)	32	-
Arsenic	-	-	4.9	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	ND (3.4)	5.1	-
Barium	-	-	82	-	-	46	-	-	-	-	-	-	-	-	-	24	390	-
Beryllium	-	-	ND (0.34)	-	-	ND (0.03)	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.36)	-
Cadmium	-	-	2.3	-	-	1.7	-	-	-	-	-	-	-	-	-	0.6	9.6	-
Chromium	-	-	26	-	-	9.9	-	-	-	-	-	-	-	-	-	8.9	65	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	-	-	530	-	-	900	-	-	-	-	-	-	-	-	-	36	6100	-
Mercury	-	-	0.95	-	-	0.29	-	-	-	-	-	-	-	-	-	0.23	2.5	-
Nickel	-	-	19	-	-	14	-	-	-	-	-	-	-	-	-	6.7	160	-
Selenium	-	-	ND (5.6)	-	-	ND (0.6)	-	-	-	-	-	-	-	-	-	ND (5.7)	ND (5.9)	-
Silver	-	-	ND (1.1)	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.2)	-
Thallium	-	-	ND (5.6)	-	-	ND (0.6)	-	-	-	-	-	-	-	-	-	ND (5.7)	16	-
Vanadium	-	-	34	-	-	30	-	-	-	-	-	-	-	-	-	13	140	-
Zinc	-	-	230	-	-	210	-	-	-	-	-	-	-	-	-	51	1000	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	14	-	-	400	-	-	-	-	-	-	-	-	-	-	7.2	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	ND (0.045)	-	ND (0.28)
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	ND (0.045)	-	ND (0.28)
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	ND (0.045)	-	ND (0.28)
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	ND (0.045)	-	ND (0.28)
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	0.14	-	ND (0.28)
Aroclor-1254 (PCB-1254)	ND (0.052)	ND (0.047)	5.6	220	10	-	0.33	0.093	0.2	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	0.063	ND (0.076)	ND (0.045)	-	1.4
Aroclor-1260 (PCB-1260)	ND (0.052)	ND (0.047)	4.3	160	6.7	-	0.23	0.065	0.11	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	0.047	-	1.2
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	ND (0.045)	-	ND (0.28)
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.047)	ND (0.86)	ND (49)	ND (1.3)	-	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.058)	ND (0.049)	ND (0.053)	ND (0.051)	ND (0.076)	ND (0.045)	-	ND (0.28)
SUM of PCBs	ND	ND	9.9	380	16.7	-	0.56	0.158	0.31	ND	ND	ND	ND	0.063	ND	0.187	-	2.6
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-
Reactive Cyanide (mg/kg)	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	6.8	-	-	7.2	-	-	-	-	-	-	-	-	-	6.9	7.2	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.2)	-	-	1.7	-	-	-	-	-	-	-	-	-	ND (1.2)	2.2	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.2)	-	-	2.2	-	-	-	-	-	-	-	-	-	ND (1.2)	2.4	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.2)	-	-	2	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.5)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	M17								M18									
Location Name	M17	M17	M17	M17	M17	M17	M17	M17	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18
Sample Name	M17_S4_7.4-9.4	M17_S6_9.4-11.4	M17_S7_11.4-13.4	M17_S8_13.4-15.4	M17_S9_15.4-17.4	M17_S10_17.4-19.4	M17_S11_19.4-21.4	M17_S12_21.4-23.4	M18_S1_0.7-3.3	M18_S6_3.3-9.3	M18_S2_5.3-7.3	M18_S3_7.3-9.3	M18_S4_9.3-11.3	M18_S5_11.3-13.3	M18_S7_13.3-15.3	M18_S8_15.3-17.3	M18_S9_17.3-19.3	M18_S10_19.3-21.3
Sample Date	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	06/17/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010
Lab Sample ID	134943-3	134943-4	134943-5	134943-6	134943-7	134943-8	134943-9	134943-10	134053-55 134053-68 134053-77 134263-2	134117-49 134117-53 134117-62 134331-4	134117-1	134117-2	134117-3	134117-4	134117-5	134117-6	134117-7	134117-8
Sample Depth (bgs)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.4 (ft)	0.7 - 3.3 (ft)	3.3 - 9.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 15.9	15.9 to 9.9	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.21)	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.053)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	0.39	ND (0.38)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.95	ND (0.38)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.83	ND (0.38)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	1	ND (0.38)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	0.57	ND (0.38)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	0.39	ND (0.38)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	0.88	ND (0.38)	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	1.8	0.71	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	0.65	ND (0.38)	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	1.3	0.56	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	1.6	0.62	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	10.36	1.89	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	M17								M18									
Location Name	M17	M17	M17	M17	M17	M17	M17	M17	M18	M18	M18	M18	M18	M18	M18	M18	M18	M18
Sample Name	M17_S4_7.4-9.4	M17_S6_9.4-11.4	M17_S7_11.4-13.4	M17_S8_13.4-15.4	M17_S9_15.4-17.4	M17_S10_17.4-19.4	M17_S11_19.4-21.4	M17_S12_21.4-23.4	M18_S1_0.7-3.3	M18_S6_3.3-9.3	M18_S2_5.3-7.3	M18_S3_7.3-9.3	M18_S4_9.3-11.3	M18_S5_11.3-13.3	M18_S7_13.3-15.3	M18_S8_15.3-17.3	M18_S9_17.3-19.3	M18_S10_19.3-21.3
Sample Date	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	07/21/2010	06/17/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010
Lab Sample ID	134943-3	134943-4	134943-5	134943-6	134943-7	134943-8	134943-9	134943-10	134053-55 134053-68 134053-77 134263-2	134117-49 134117-53 134117-62 134331-4	134117-1	134117-2	134117-3	134117-4	134117-5	134117-6	134117-7	134117-8
Sample Depth (bgs)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)	17.4 - 19.4 (ft)	19.4 - 21.4 (ft)	21.4 - 23.4 (ft)	0.7 - 3.3 (ft)	3.3 - 9.3 (ft)	5.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 15.9	15.9 to 9.9	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	120	82	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	100	ND (34)	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (34)	ND (34)	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.2)	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	4.7	ND (3.7)	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	65	83	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.39)	ND (0.37)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	1.4	1.6	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	21	29	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	110	160	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	0.07	0.38	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	15	20	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND (6.5)	ND (6.1)	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.2)	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (6.5)	ND (6.1)	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	28	33	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	100	120	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	0.3	ND (0.3)	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1221 (PCB-1221)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1232 (PCB-1232)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1242 (PCB-1242)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1248 (PCB-1248)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	0.19	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1254 (PCB-1254)	0.13	0.17	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1260 (PCB-1260)	0.12	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	0.066	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1262 (PCB-1262)	ND (0.049)	0.16	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
Aroclor-1268 (PCB-1268)	ND (0.049)	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.049)	ND (0.054)	ND (0.046)	-	ND (0.049)	ND (0.048)	ND (0.053)	ND (0.05)	ND (0.054)	ND (0.051)	ND (0.052)	ND (0.056)
SUM of PCBs	0.25	0.33	ND	ND	ND	ND	ND	ND	0.256	-	ND	ND	ND	ND	ND	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	8.6	7.5	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.5)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.5)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.5)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				M19				M4					M5					M6		
Location Name	M18	M18	M18A	M19	M19	M19	M19	M4	M4	M4	M4	M4	M5	M5	M5	M5	M5	M6	M6	M6
Sample Name	M18_S11_21.3-22.8	M18_S12_22.8-23.3	M18A_S1_3.2-5.2	M19_S1_2.2-3.2	M19_S2_3.2-5.2	M19_S3_5.2-7.2	M19_S4_7.2-9.2	M4_S1_0.8-1.8'	M4_S2_1.8-3.8'	M4_S3_3.8-5.8'	Z4_S3_3.8-5.8'	M4_S4_5.8-7.8'	M5_S1_1.1-2.1	M5_S2_2.1-4.1	Z5_S2_2.1-4.1	M5_S3_4.1-6.1	M5_S4_6.1-8.1	M6_S1_1.4-2.4'	M6_S2_2.4-4.4'	M6_S3_4.4-6.4'
Sample Date	06/18/2010	06/18/2010	01/22/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015
Lab Sample ID	134117-9	134117-10	15A0734-01	15K1002-12	15K1002-13	15K1002-14	15K1002-15	15K0837-11	15K0837-12	15K0837-13	15K0837-17	15K0837-14	15K1157-19	15K1157-20	15K1175-05	15K1175-01	15K1175-02	15K0757-01	15K0757-02	15K0757-03
Sample Depth (bgs)	21.3 - 22.8 (ft)	22.8 - 23.3 (ft)	3.2 - 5.2 (ft)	2.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)
Sample Elevation (ft BCB)	-2.1 to -3.6	-3.6 to -4.1	16 to 14	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	14 to 12	12 to 10	17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				M19				M4					M5					M6		
Location Name	M18	M18	M18A	M19	M19	M19	M19	M4	M4	M4	M4	M4	M5	M5	M5	M5	M5	M6	M6	M6
Sample Name	M18_S11_21.3-22.8	M18_S12_22.8-23.3	M18A_S1_3.2-5.2	M19_S1_2.2-3.2	M19_S2_3.2-5.2	M19_S3_5.2-7.2	M19_S4_7.2-9.2	M4_S1_0.8-1.8'	M4_S2_1.8-3.8'	M4_S3_3.8-5.8'	Z4_S3_3.8-5.8'	M4_S4_5.8-7.8'	M5_S1_1.1-2.1	M5_S2_2.1-4.1	Z5_S2_2.1-4.1	M5_S3_4.1-6.1	M5_S4_6.1-8.1	M6_S1_1.4-2.4'	M6_S2_2.4-4.4'	M6_S3_4.4-6.4'
Sample Date	06/18/2010	06/18/2010	01/22/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015
Lab Sample ID	134117-9	134117-10	15A0734-01	15K1002-12	15K1002-13	15K1002-14	15K1002-15	15K0837-11	15K0837-12	15K0837-13	15K0837-17	15K0837-14	15K1157-19	15K1157-20	15K1175-05	15K1175-01	15K1175-02	15K0757-01	15K0757-02	15K0757-03
Sample Depth (bgs)	21.3 - 22.8 (ft)	22.8 - 23.3 (ft)	3.2 - 5.2 (ft)	2.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	1.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)
Sample Elevation (ft BCB)	-2.1 to -3.6	-3.6 to -4.1	16 to 14	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	14 to 12	12 to 10	17 to 16	16 to 14	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.048)	ND (0.065)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.048)	ND (0.065)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.048)	ND (0.065)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.048)	ND (0.065)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.048)	ND (0.065)	ND (0.11)	0.16	0.2	ND (0.12)	ND (0.12)	ND (0.1)	0.16	ND (0.11)	ND (0.11)	ND (0.11)	2.4	1	0.25	ND (0.11)	ND (0.12)	0.54	0.87	0.26
Aroclor-1254 (PCB-1254)	ND (0.048)	ND (0.065)	ND (0.11)	0.25	0.19	ND (0.12)	ND (0.12)	ND (0.1)	0.25	ND (0.11)	ND (0.11)	ND (0.11)	1.1	0.33	0.15	ND (0.11)	ND (0.12)	0.94	1.4	0.42
Aroclor-1260 (PCB-1260)	ND (0.048)	ND (0.065)	ND (0.11)	0.14	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	0.12	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	0.19	ND (0.11)	ND (0.11)	ND (0.12)	1.1	1.8	0.61
Aroclor-1262 (PCB-1262)	ND (0.048)	ND (0.065)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.048)	ND (0.065)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.57)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.45)	ND (0.11)
SUM of PCBs	ND	ND	ND	0.55	0.39	ND	ND	ND	0.53	ND	ND	ND	3.5	1.52	0.4	ND	ND	2.58	4.07	1.29
Other																				
Percent Solids, vol. (%wt)	-	-	92.3	89.2	86.4	85.8	83.5	94.2	86.5	85.6	87.6	92.7	87.4	89.6	88.1	94.2	82.9	94.8	87.6	89.7
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		M7							M8				N10							
Location Name	M6	M7	M7	M7	M7A	M7A	M7A	M7A	M8	M8	M8	M8	N10	N10	N10	N11	N11	N11	N11	N11
Sample Name	M6_S4_6.4-8.4'	M7_S1_5-10	M7_S2_10-15	M7_S3_15-20	M7A_S1_1.6-2.6	M7A_S2_2.6-4.6	M7A_S3_4.6-6.6	M7A_S4_6.6-8.6	M8_S1_1.7-2.7'	M8_S2_2.7-4.7'	M8_S3_4.7-6.7'	M8_S4_6.7-8.7'	N10_S1_0-4	N10_S3_0-2.5	N10_S6_6.5-8.5	N11_S1_0.3-4	N11_S2_4.5-11	N11_S5_5-7	N11_S6_7-9	N11_S7_9-11
Sample Date	11/17/2015	12/20/2010	12/21/2010	12/21/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	01/23/2015	01/23/2015	01/23/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
				138733-22												133615-1				
																133615-34				
		138726-18	138733-21	138733-33												133615-41	133615-35			
		138726-24	138733-32	138733-42												133615-48	133615-42			
Lab Sample ID	15K0757-04	138726-30	138733-41	138975-8	15K1070-16	15K1070-17	15K1070-18	15K1070-19	15K0838-09	15K0838-10	15K0838-11	15K0838-12	15A0793-01	15A0793-03	15A0793-06	133764-1	133615-49	133615-2	133615-3	133615-4
Sample Depth (bgs)	6.4 - 8.4 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	0 - 4 (ft)	0 - 2.5 (ft)	6.5 - 8.5 (ft)	0.3 - 4 (ft)	4.5 - 11 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)	12 to 10	13.6 to 8.6	8.6 to 3.6	3.6 to -1.4	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18.6 to 14.6	18.6 to 16.1	12.1 to 10.1	18.5 to 14.8	14.3 to 7.8	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.009)	ND (0.48)	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.009)	ND (0.48)	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
1,2-Dichlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	ND (0.009)	ND (0.48)	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
1,3-Dichlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
1,4-Dichlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Acetone	-	ND (0.2)	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.073)	-	-	ND (0.37)	ND (4.8)	-	-	-
Benzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Chlorobenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Chloroform (Trichloromethane)	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.009)	ND (0.48)	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	0.9	-	-	-
Ethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Isopropylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
m,p-Xylenes	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.009)	ND (0.48)	-	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0029)	-	-	ND (0.009)	ND (0.48)	-	-	-
Methylene chloride	-	ND (0.05)	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-	ND (0.0073)	-	-	ND (0.093)	ND (1.9)	-	-	-
Naphthalene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0073)	-	-	ND (0.009)	ND (0.48)	-	-	-
n-Propylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
o-Xylene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Styrene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Tetrachloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Toluene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
Trichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	ND (0.0015)	-	-	ND (0.009)	ND (0.48)	-	-	-
SUM of Volatile Organic Compounds	-	ND	ND	ND	-	-	-	-	-	-	-	-	ND	-	-	ND	0.9	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
1,2-Dichlorobenzene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
1,3-Dichlorobenzene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
1,4-Dichlorobenzene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
2,4-Dimethylphenol	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
2,4-Dinitrotoluene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
2,6-Dinitrotoluene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
2-Chloronaphthalene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
2-Methylnaphthalene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	ND (0.37)	ND (0.38)	-	-	-
2-Methylphenol	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
3&4-Methylphenol	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Acenaphthene	-	10	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.26	-	-	ND (0.37)	ND (0.38)	-	-	-
Acenaphthylene	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.19)	-	-	ND (0.37)	ND (0.38)	-	-	-
Acetophenone	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Aniline	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Anthracene	-	26	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.44	-	-	0.49	ND (0.38)	-	-	-
Benzo(a)anthracene	-	48	0.66	ND (0.42)	-	-	-	-	-	-	-	-	1.2	-	-	1.3	0.46	-	-	-
Benzo(a)pyrene	-	40	0.52	ND (0.42)	-	-	-	-	-	-	-	-	1.1	-	-	1.2	0.45	-	-	-
Benzo(b)fluoranthene	-	48	0.57	ND (0.42)	-	-	-	-	-	-	-	-	1.4	-	-	1.5	0.69	-	-	-
Benzo(g,h,i)perylene	-	25	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.86	-	-	0.89	0.39	-	-	-
Benzo(k)fluoranthene	-	16	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.54	-	-	0.55	ND (0.38)	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	0.39	-	-	-
Butyl benzylphthalate	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Carbazole	-	10	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-
Chrysene	-	44	0.55	ND (0.42)	-	-	-	-	-	-	-	-	1.2	-	-	1.3	0.48	-	-	-
Dibenz(a,h)anthracene	-	6.8	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.19	-	-	ND (0.37)	ND (0.38)	-	-	-
Dibenzofuran	-	9.6	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Diethyl phthalate	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Di-n-butylphthalate	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Di-n-octyl phthalate	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.76)	-	-	ND (0.37)	ND (0.38)	-	-	-
Fluoranthene	-	90	1.4	ND (0.42)	-	-	-	-	-	-	-	-	2.7	-	-	2.6	1	-	-	-
Fluorene	-	13	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.21	-	-	ND (0.37)	ND (0.38)	-	-	-
Indeno(1,2,3-cd)pyrene	-	26	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.83	-	-	0.93	0.4	-	-	-
Isophorone	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Naphthalene	-	6.2	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	0.22	-	-	ND (0.37)	ND (0.38)	-	-	-
N-Nitrosodiphenylamine	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-
Phenanthrene	-	81	0.83	ND (0.42)	-	-	-	-	-	-	-	-	2	-	-	1.8	0.66	-	-	-
Phenol	-	ND (5.9)	ND (0.42)	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	ND (0.37)	ND (0.38)	-	-	-
Pyrene	-	87	1.1	ND (0.42)	-	-	-	-	-	-	-	-	2.4	-	-	2.3	0.97	-	-	-
SUM of Semi-Volatile Organic Compounds	-	586.6	5.63	ND	-	-	-	-	-	-	-	-	15.55	-	-	14.86	5.89	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		M7							M8				N10							
Location Name	M6	M7	M7	M7	M7A	M7A	M7A	M7A	M8	M8	M8	M8	N10	N10	N10	N11	N11	N11	N11	N11
Sample Name	M6_S4_6.4-8.4'	M7_S1_5-10	M7_S2_10-15	M7_S3_15-20	M7A_S1_1.6-2.6	M7A_S2_2.6-4.6	M7A_S3_4.6-6.6	M7A_S4_6.6-8.6	M8_S1_1.7-2.7'	M8_S2_2.7-4.7'	M8_S3_4.7-6.7'	M8_S4_6.7-8.7'	N10_S1_0-4	N10_S3_0-2.5	N10_S6_6.5-8.5	N11_S1_0.3-4	N11_S2_4.5-11	N11_S5_5-7	N11_S6_7-9	N11_S7_9-11
Sample Date	11/17/2015	12/20/2010	12/21/2010	12/21/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	01/23/2015	01/23/2015	01/23/2015	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010
Lab Sample ID	15K0757-04	138726-18 138726-24 138726-30	138733-21 138733-32 138733-41	138733-22 138733-33 138733-42 138975-8	15K1070-16	15K1070-17	15K1070-18	15K1070-19	15K0838-09	15K0838-10	15K0838-11	15K0838-12	15A0793-01	15A0793-03	15A0793-06	133615-1 133615-34 133615-41 133615-48 133764-1	133615-35 133615-42 133615-49	133615-2	133615-3	133615-4
Sample Depth (bgs)	6.4 - 8.4 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	1.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	1.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	0 - 4 (ft)	0 - 2.5 (ft)	6.5 - 8.5 (ft)	0.3 - 4 (ft)	4.5 - 11 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)
Sample Elevation (ft BCB)	12 to 10	13.6 to 8.6	8.6 to 3.6	3.6 to -1.4	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	18.6 to 14.6	18.6 to 16.1	12.1 to 10.1	18.5 to 14.8	14.3 to 7.8	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	2500	77	ND (25)	-	-	-	-	-	-	-	-	-	-	-	92	50	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	220	41	ND (25)	-	-	-	-	-	-	-	-	-	-	-	65	66	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (35)	ND (26)	ND (25)	-	-	-	-	-	-	-	-	-	-	-	ND (33)	ND (33)	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	ND (1.2)	4.1	5.1	-	-	-	-	-	-	-	-	-	-	-	3.8	2.2	-	-	-
Arsenic	-	8.6	ND (3.9)	ND (3.9)	-	-	-	-	-	-	-	-	5	-	-	3.5	ND (3.4)	-	-	-
Barium	-	57	43	78	-	-	-	-	-	-	-	-	60	-	-	110	34	-	-	-
Beryllium	-	ND (0.36)	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-
Cadmium	-	1.5	0.98	1.5	-	-	-	-	-	-	-	-	0.71	-	-	1.3	1.7	-	-	-
Chromium	-	8.7	27	42	-	-	-	-	-	-	-	-	21	-	-	30	9.9	-	-	-
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	94	50	24	-	-	-	-	-	-	-	-	72	-	-	120	70	-	-	-
Mercury	-	0.81	0.12	ND (0.022)	-	-	-	-	-	-	-	-	0.37	-	-	0.54	0.095	-	-	-
Nickel	-	8.7	17	29	-	-	-	-	-	-	-	-	-	-	-	21	13	-	-	-
Selenium	-	ND (6)	ND (6.5)	ND (6.5)	-	-	-	-	-	-	-	-	ND (5.4)	-	-	ND (5.6)	ND (5.6)	-	-	-
Silver	-	ND (1.2)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	ND (0.54)	-	-	ND (1.1)	ND (1.1)	-	-	-
Thallium	-	ND (6)	ND (6.5)	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)	ND (5.6)	-	-	-
Vanadium	-	19	39	69	-	-	-	-	-	-	-	-	-	-	-	47	12	-	-	-
Zinc	-	390	63	76	-	-	-	-	-	-	-	-	-	-	-	130	190	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (1.2)	1.2	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (0.13)	-	-	-	0.45	ND (1.1)	ND (0.1)	ND (0.12)	0.34	ND (0.12)	0.29	ND (0.11)	-	0.35	5.6	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	ND (0.13)	-	-	-	0.37	2	0.18	ND (0.12)	0.43	ND (0.12)	0.42	ND (0.11)	-	0.38	9.2	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	ND (0.13)	-	-	-	0.21	4.9	0.39	ND (0.12)	0.43	ND (0.12)	0.59	ND (0.11)	-	0.17	1.3	0.23	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.13)	-	-	-	ND (0.11)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	-	ND (0.11)	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	ND	-	-	-	1.03	6.9	0.57	ND	1.2	ND	1.3	ND	-	0.9	16.1	1.43	-	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	75.8	-	-	-	88.9	89.7	96.8	79.4	88.6	85	84.7	85.6	88.3	89.9	80.4	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (3.9)	-	-	ND (50)	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (100)	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	480	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	6.8	7	6.9	-	-	-	-	-	-	-	-	9.3	-	-	6.3	6.5	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (1.8)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	1.7	5.9	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (2.3)	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	ND (1.5)	ND (1.8)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N11							N12										
Location Name	N11	N11	N11	N11	N11	N11	N11	N12	N12	N12	N12	N12	N12	N12	N12	N12	N12	N12
Sample Name	N11_S8_11-13	N11_S9_13-15	N11_S10_15-17	N11_S11_17-19	N11_S12_19-21	N11_S13_21-23	N11_S14_23-25	N12_S1_0-3.3	N12_S2_4.9-6.9	N12_S4_4.9-10.9	N12_S3_6.9-8.9	N12_S5_8.9-10.9	N12_S6_10.9-12.9	N12_S7_12.9-14.9	N12_S8_14.9-16.9	N12_S9_16.9-18.9	N12_S10_18.9-20.9	N12_S11_20.9-22.9
Sample Date	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	133615-5	133615-6	133615-7	133615-8	133615-9	133615-12	133615-13	133689-32 133689-54 133689-63	133689-33	133689-35 133689-55 133689-64 133883-4	133689-34	133689-36	133689-37	133689-38	133689-39	133689-40	133689-41	133689-42
Sample Depth (bgs)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0 - 3.3 (ft)	4.9 - 6.9 (ft)	4.9 - 10.9 (ft)	6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	10.9 - 12.9 (ft)	12.9 - 14.9 (ft)	14.9 - 16.9 (ft)	16.9 - 18.9 (ft)	18.9 - 20.9 (ft)	20.9 - 22.9 (ft)
Sample Elevation (ft BCB)	7.8 to 5.8	5.8 to 3.8	3.8 to 1.8	1.8 to -0.2	-0.2 to -2.2	-2.2 to -4.2	-4.2 to -6.2	18.9 to 15.6	14 to 12	14 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	ND (2.5)	-	ND (0.37)	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	ND (1)	-	ND (0.092)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	0.55	-	ND (0.009)	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	ND (0.25)	-	ND (0.009)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	0.55	-	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	0.66	-	ND (11)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	0.61	-	ND (11)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	0.87	-	ND (11)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	0.34	-	ND (11)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	0.65	-	ND (11)	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	1.3	-	ND (11)	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	0.91	-	ND (11)	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	ND (0.34)	-	ND (11)	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	0.97	-	ND (11)	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	6.31	-	ND	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N11							N12										
Location Name	N11	N11	N11	N11	N11	N11	N11	N12	N12	N12	N12	N12	N12	N12	N12	N12	N12	N12
Sample Name	N11_S8_11-13	N11_S9_13-15	N11_S10_15-17	N11_S11_17-19	N11_S12_19-21	N11_S13_21-23	N11_S14_23-25	N12_S1_0-3.3	N12_S2_4.9-6.9	N12_S4_4.9-10.9	N12_S3_6.9-8.9	N12_S5_8.9-10.9	N12_S6_10.9-12.9	N12_S7_12.9-14.9	N12_S8_14.9-16.9	N12_S9_16.9-18.9	N12_S10_18.9-20.9	N12_S11_20.9-22.9
Sample Date	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/01/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010
Lab Sample ID	133615-5	133615-6	133615-7	133615-8	133615-9	133615-12	133615-13	133689-32 133689-54 133689-63	133689-33	133689-35 133689-55 133689-64 133883-4	133689-34	133689-36	133689-37	133689-38	133689-39	133689-40	133689-41	133689-42
Sample Depth (bgs)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0 - 3.3 (ft)	4.9 - 6.9 (ft)	4.9 - 10.9 (ft)	6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	10.9 - 12.9 (ft)	12.9 - 14.9 (ft)	14.9 - 16.9 (ft)	16.9 - 18.9 (ft)	18.9 - 20.9 (ft)	20.9 - 22.9 (ft)
Sample Elevation (ft BCB)	7.8 to 5.8	5.8 to 3.8	3.8 to 1.8	1.8 to -0.2	-0.2 to -2.2	-2.2 to -4.2	-4.2 to -6.2	18.9 to 15.6	14 to 12	14 to 8	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	65	-	1200	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	67	-	2700	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	ND (32)	-	2300	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	2	-	12	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	5.9	-	ND (3.8)	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	47	-	160	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	ND (0.31)	-	ND (0.38)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	1.3	-	1.9	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	19	-	5.9	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	65	-	1300	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	0.57	-	14	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	12	-	9.8	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	5.2	-	ND (6.3)	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	ND (1)	-	ND (1.3)	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	ND (5.2)	-	ND (6.3)	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	28	-	11	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	80	-	64	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.78	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	14	-	18	0.36	0.073	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.046
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.16	15	-	14	0.3	0.061	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (4.7)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
SUM of PCBs	ND	ND	ND	ND	ND	ND	ND	0.94	29	-	32	0.66	0.134	ND	ND	ND	ND	0.046
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	7.4	-	7.6	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	ND (1)	-	2.6	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	1.1	-	10	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	3.1	-	43	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		N13											N14							
Location Name	N12	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N14	N14	N14	N14	N14	N14	N14	N14
Sample Name	N12_S12_22.9-24.9	N13_S1_1-2.3	N13_S4_2.7-8.0	N13_S3_6-8	N13_S5_8-10	N13_S6_10-12	N13_S7_12-14	N13_S8_14-16	N13_S9_16-18	N13_S10_18-20	N13_S11_20-22	N13_S12_22-24	N14_S1_0.6-1.6	N14_S4_2.5-9	N14_S2_5-7	N14_S3_7-9	N14_S5_9-11	N14_S6_11-13	N14_S7_13-15	N14_S8_15-17
Sample Date	06/04/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010
Lab Sample ID	133689-43	134176-36 134176-43 134176-49	134176-39 134176-44 134176-50 134365-1 134365-2	134176-15	134176-16	134176-17	134176-18	134176-19	134176-20	134176-21	134176-22	134176-23	134176-35 134176-41 134176-47	134176-38 134176-42 134176-48	134176-10	134176-11	134176-12	134176-13	134176-1	134176-2
Sample Depth (bgs)	22.9 - 24.9 (ft)	1 - 2.3 (ft)	2.7 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.6 - 1.6 (ft)	2.5 - 9 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)	-4 to -6	18 to 16.7	16.3 to 11	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	18.4 to 17.4	16.5 to 10	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Acetone	-	ND (0.2)	ND (9.2)	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-
Benzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Methylene chloride	-	ND (0.05)	ND (3.7)	-	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-
Naphthalene	-	ND (0.005)	2.4	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
o-Xylene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Styrene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Toluene	-	ND (0.005)	7.4	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Trichloroethene	-	ND (0.005)	ND (0.92)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	ND	9.8	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
2-Methylnaphthalene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
2-Methylphenol	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
3&4-Methylphenol	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Acenaphthene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Acenaphthylene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Acetophenone	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Aniline	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Anthracene	-	0.5	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Benzo(a)anthracene	-	1	2.9	-	-	-	-	-	-	-	-	-	0.83	ND (0.35)	-	-	-	-	-	-
Benzo(a)pyrene	-	0.94	2.5	-	-	-	-	-	-	-	-	-	0.76	ND (0.35)	-	-	-	-	-	-
Benzo(b)fluoranthene	-	1.2	4	-	-	-	-	-	-	-	-	-	1	ND (0.35)	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	0.41	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Benzo(k)fluoranthene	-	0.46	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.36)	2.5	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Carbazole	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Chrysene	-	1	3.2	-	-	-	-	-	-	-	-	-	0.87	ND (0.35)	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Dibenzofuran	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Diethyl phthalate	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Fluoranthene	-	2.1	6.1	-	-	-	-	-	-	-	-	-	1.7	0.41	-	-	-	-	-	-
Fluorene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	0.47	ND (1.9)	-	-	-	-	-	-	-	-	-	0.4	ND (0.35)	-	-	-	-	-	-
Isophorone	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Naphthalene	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Phenanthrene	-	1.7	3.6	-	-	-	-	-	-	-	-	-	1.2	0.44	-	-	-	-	-	-
Phenol	-	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.38)	ND (0.35)	-	-	-	-	-	-
Pyrene	-	1.9	5.1	-	-	-	-	-	-	-	-	-	1.5	ND (0.35)	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	11.68	29.9	-	-	-	-	-	-	-	-	-	8.26	0.85	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		N13											N14							
Location Name	N12	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N13	N14	N14	N14	N14	N14	N14	N14	N14
Sample Name	N12_S12_22.9-24.9	N13_S1_1-2.3	N13_S4_2.7-8.0	N13_S3_6-8	N13_S5_8-10	N13_S6_10-12	N13_S7_12-14	N13_S8_14-16	N13_S9_16-18	N13_S10_18-20	N13_S11_20-22	N13_S12_22-24	N14_S1_0.6-1.6	N14_S4_2.5-9	N14_S2_5-7	N14_S3_7-9	N14_S5_9-11	N14_S6_11-13	N14_S7_13-15	N14_S8_15-17
Sample Date	06/04/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010
Lab Sample ID	133689-43	134176-36 134176-43 134176-49	134176-39 134176-44 134176-50 134365-1 134365-2	134176-15	134176-16	134176-17	134176-18	134176-19	134176-20	134176-21	134176-22	134176-23	134176-35 134176-41 134176-47	134176-38 134176-42 134176-48	134176-10	134176-11	134176-12	134176-13	134176-1	134176-2
Sample Depth (bgs)	22.9 - 24.9 (ft)	1 - 2.3 (ft)	2.7 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.6 - 1.6 (ft)	2.5 - 9 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)	-4 to -6	18 to 16.7	16.3 to 11	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	18.4 to 17.4	16.5 to 10	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	89	690	-	-	-	-	-	-	-	-	-	96	48	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	86	930	-	-	-	-	-	-	-	-	-	150	76	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (32)	290	-	-	-	-	-	-	-	-	-	ND (34)	ND (32)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	1.7	87	-	-	-	-	-	-	-	-	-	2.2	ND (1.1)	-	-	-	-	-	-
Arsenic	-	ND (3.4)	ND (3.5)	-	-	-	-	-	-	-	-	-	3.7	ND (3.2)	-	-	-	-	-	-
Barium	-	53	430	-	-	-	-	-	-	-	-	-	61	21	-	-	-	-	-	-
Beryllium	-	ND (0.34)	ND (0.35)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.32)	-	-	-	-	-	-
Cadmium	-	0.96	28	-	-	-	-	-	-	-	-	-	1.1	ND (0.53)	-	-	-	-	-	-
Chromium	-	21	73	-	-	-	-	-	-	-	-	-	23	5	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	70	16000	-	-	-	-	-	-	-	-	-	95	19	-	-	-	-	-	-
Mercury	-	0.44	2.2	-	-	-	-	-	-	-	-	-	1.5	0.064	-	-	-	-	-	-
Nickel	-	16	88	-	-	-	-	-	-	-	-	-	17	ND (5.3)	-	-	-	-	-	-
Selenium	-	ND (5.6)	15	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (5.3)	-	-	-	-	-	-
Silver	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.1)	-	-	-	-	-	-
Thallium	-	ND (5.6)	ND (5.8)	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (5.3)	-	-	-	-	-	-
Vanadium	-	27	180	-	-	-	-	-	-	-	-	-	31	10	-	-	-	-	-	-
Zinc	-	87	1500	-	-	-	-	-	-	-	-	-	110	47	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.044)	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	ND (0.045)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.044)	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	ND (0.045)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.044)	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	ND (0.045)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.044)	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	ND (0.045)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1248 (PCB-1248)	ND (0.04)	1.7	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	1.1	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.044)	-	11	2.5	0.35	0.12	ND (0.055)	ND (0.049)	ND (0.05)	0.14	0.057	ND (0.045)	-	0.078	0.34	2.9	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1260 (PCB-1260)	ND (0.04)	0.34	-	5.5	1.1	0.19	0.061	ND (0.055)	ND (0.049)	ND (0.05)	0.076	ND (0.056)	0.41	-	0.082	0.29	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.044)	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	ND (0.045)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.044)	-	ND (0.99)	ND (0.5)	ND (0.051)	ND (0.051)	ND (0.055)	ND (0.049)	ND (0.05)	ND (0.046)	ND (0.056)	ND (0.045)	-	ND (0.055)	ND (0.048)	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.051)
SUM of PCBs	ND	2.04	-	16.5	3.6	0.54	0.181	ND	ND	ND	0.216	0.057	1.51	-	0.16	0.63	2.9	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7	8.2	-	-	-	-	-	-	-	-	-	7	8.7	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	1.7	-	-	-	-	-	-	-	-	-	ND (1.1)	2.2	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.2)	4	-	-	-	-	-	-	-	-	-	ND (1.1)	1.7	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	1.6	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.6)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				N15														
Location Name	N14	N14	N14	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N16	N16	N16
Sample Name	N14_S9_17-19	N14_S10_19-21	N14_S11_21-23	N15_S1_0.5-2.7	N15_S2_4.2-5.2	N15_S4_4.2-7.2	N15_S3_5.2-7.2	N15_S5_7.2-9.2	N15_S6_9.2-11.2	N15_S7_11.2-13.2	N15_S8_13.2-15.2	N15_S9_15.2-17.2	N15_S10_17.2-19.2	N15_S11_19.2-21.2	N15_S12_21.2-23.2	N16_S1_1.3-2.1	N16_S7_5.3-15.3	N16_S3_7.3-9.3
Sample Date	06/22/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/18/2010	06/21/2010	06/21/2010
Lab Sample ID	134176-3	134176-4	134176-5	134155-12 134155-65 134155-76	134155-13	134155-15 134155-66 134155-77 134328-2	134155-14	134155-16	134155-17	134155-18	134155-19	134176-6	134176-7	134176-8	134176-9	134117-46 134117-58 134117-67	134155-6 134155-64 134155-75 134328-1	134155-2
Sample Depth (bgs)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	0.5 - 2.7 (ft)	4.2 - 5.2 (ft)	4.2 - 7.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	1.3 - 2.1 (ft)	5.3 - 15.3 (ft)	7.3 - 9.3 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	18.7 to 16.5	15 to 14	15 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18 to 17.2	14 to 4	12 to 10
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.005)	-	1	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,2-Dichlorobenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,3-Dichlorobenzene	-	-	-	ND (0.005)	-	2.6	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
1,4-Dichlorobenzene	-	-	-	ND (0.005)	-	7.7	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Acetone	-	-	-	ND (0.2)	-	ND (5.2)	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.2)	-
Benzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Chlorobenzene	-	-	-	ND (0.005)	-	30	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Chloroform (Trichloromethane)	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Ethylbenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Isopropylbenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
m,p-Xylenes	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Methyl Tert Butyl Ether	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Methylene chloride	-	-	-	ND (0.05)	-	ND (2.1)	-	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.05)	-
Naphthalene	-	-	-	ND (0.005)	-	0.6	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
n-Propylbenzene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
o-Xylene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Styrene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Tetrachloroethene	-	-	-	0.007	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Toluene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
Trichloroethene	-	-	-	ND (0.005)	-	ND (0.52)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	-
SUM of Volatile Organic Compounds	-	-	-	0.007	-	41.9	-	-	-	-	-	-	-	-	-	ND	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	ND (0.35)	-	1.4	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
1,2-Dichlorobenzene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
1,3-Dichlorobenzene	-	-	-	ND (0.35)	-	1.1	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
1,4-Dichlorobenzene	-	-	-	ND (0.35)	-	3	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
2,4-Dimethylphenol	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
2,4-Dinitrotoluene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
2,6-Dinitrotoluene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
2-Chloronaphthalene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
2-Methylnaphthalene	-	-	-	ND (0.35)	-	2.2	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
2-Methylphenol	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
3&4-Methylphenol	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Acenaphthene	-	-	-	ND (0.35)	-	3.1	-	-	-	-	-	-	-	-	-	ND (0.37)	0.64	-
Acenaphthylene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Acetophenone	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Aniline	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Anthracene	-	-	-	ND (0.35)	-	1.8	-	-	-	-	-	-	-	-	-	ND (0.37)	1.3	-
Benzo(a)anthracene	-	-	-	ND (0.35)	-	2.6	-	-	-	-	-	-	-	-	-	0.51	2.3	-
Benzo(a)pyrene	-	-	-	ND (0.35)	-	2.1	-	-	-	-	-	-	-	-	-	0.47	1.9	-
Benzo(b)fluoranthene	-	-	-	ND (0.35)	-	3.6	-	-	-	-	-	-	-	-	-	0.69	2.3	-
Benzo(g,h,i)perylene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	1.2	-
Benzo(k)fluoranthene	-	-	-	ND (0.35)	-	1.4	-	-	-	-	-	-	-	-	-	ND (0.37)	0.76	-
bis(2-Ethylhexyl)phthalate	-	-	-	0.65	-	2.2	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Butyl benzylphthalate	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Carbazole	-	-	-	ND (0.35)	-	1.5	-	-	-	-	-	-	-	-	-	ND (0.37)	0.61	-
Chrysene	-	-	-	ND (0.35)	-	2.7	-	-	-	-	-	-	-	-	-	0.56	2.3	-
Dibenz(a,h)anthracene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Dibenzofuran	-	-	-	ND (0.35)	-	2.1	-	-	-	-	-	-	-	-	-	ND (0.37)	0.55	-
Diethyl phthalate	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Di-n-butylphthalate	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Di-n-octyl phthalate	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Fluoranthene	-	-	-	ND (0.35)	-	7.8	-	-	-	-	-	-	-	-	-	1	4.8	-
Fluorene	-	-	-	ND (0.35)	-	2.7	-	-	-	-	-	-	-	-	-	ND (0.37)	0.8	-
Indeno(1,2,3-cd)pyrene	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	1.3	-
Isophorone	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Naphthalene	-	-	-	ND (0.35)	-	8.1	-	-	-	-	-	-	-	-	-	ND (0.37)	0.67	-
N-Nitrosodiphenylamine	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Phenanthrene	-	-	-	ND (0.35)	-	9.1	-	-	-	-	-	-	-	-	-	0.76	5.3	-
Phenol	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.37)	ND (0.42)	-
Pyrene	-	-	-	ND (0.35)	-	5.1	-	-	-	-	-	-	-	-	-	0.91	4.5	-
SUM of Semi-Volatile Organic Compounds	-	-	-	0.65	-	63.6	-	-	-	-	-	-	-	-	-	4.9	31.23	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				N15														
Location Name	N14	N14	N14	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N15	N16	N16	N16
Sample Name	N14_S9_17-19	N14_S10_19-21	N14_S11_21-23	N15_S1_0.5-2.7	N15_S2_4.2-5.2	N15_S4_4.2-7.2	N15_S3_5.2-7.2	N15_S5_7.2-9.2	N15_S6_9.2-11.2	N15_S7_11.2-13.2	N15_S8_13.2-15.2	N15_S9_15.2-17.2	N15_S10_17.2-19.2	N15_S11_19.2-21.2	N15_S12_21.2-23.2	N16_S1_1.3-2.1	N16_S7_5.3-15.3	N16_S3_7.3-9.3
Sample Date	06/22/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/18/2010	06/21/2010	06/21/2010
Lab Sample ID	134176-3	134176-4	134176-5	134155-12 134155-65 134155-76	134155-13	134155-15 134155-66 134155-77 134328-2	134155-14	134155-16	134155-17	134155-18	134155-19	134176-6	134176-7	134176-8	134176-9	134117-46 134117-58 134117-67	134155-6 134155-64 134155-75 134328-1	134155-2
Sample Depth (bgs)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	0.5 - 2.7 (ft)	4.2 - 5.2 (ft)	4.2 - 7.2 (ft)	5.2 - 7.2 (ft)	7.2 - 9.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	1.3 - 2.1 (ft)	5.3 - 15.3 (ft)	7.3 - 9.3 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	18.7 to 16.5	15 to 14	15 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18 to 17.2	14 to 4	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	310	-	410	-	-	-	-	-	-	-	-	-	150	ND (37)	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	360	-	720	-	-	-	-	-	-	-	-	-	120	ND (37)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (31)	-	240	-	-	-	-	-	-	-	-	-	ND (33)	ND (37)	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	ND (1)	-	1.8	-	-	-	-	-	-	-	-	-	ND (1.2)	49	-
Arsenic	-	-	-	ND (3.1)	-	ND (3.8)	-	-	-	-	-	-	-	-	-	ND (3.5)	ND (3.5)	-
Barium	-	-	-	30	-	42	-	-	-	-	-	-	-	-	-	14	64	-
Beryllium	-	-	-	ND (0.31)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.35)	-
Cadmium	-	-	-	0.57	-	2.3	-	-	-	-	-	-	-	-	-	ND (0.58)	2	-
Chromium	-	-	-	12	-	19	-	-	-	-	-	-	-	-	-	5	27	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	15	-	160	-	-	-	-	-	-	-	-	-	12	1100	-
Mercury	-	-	-	ND (0.018)	-	0.39	-	-	-	-	-	-	-	-	-	0.17	0.79	-
Nickel	-	-	-	9.3	-	14	-	-	-	-	-	-	-	-	-	ND (5.8)	18	-
Selenium	-	-	-	ND (5.2)	-	ND (6.3)	-	-	-	-	-	-	-	-	-	ND (5.8)	6	-
Silver	-	-	-	ND (1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.2)	-
Thallium	-	-	-	ND (5.2)	-	ND (6.3)	-	-	-	-	-	-	-	-	-	ND (5.8)	ND (5.9)	-
Vanadium	-	-	-	22	-	44	-	-	-	-	-	-	-	-	-	8.9	27	-
Zinc	-	-	-	37	-	210	-	-	-	-	-	-	-	-	-	22	480	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	100	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	ND (0.051)
Aroclor-1221 (PCB-1221)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	ND (0.051)
Aroclor-1232 (PCB-1232)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	ND (0.051)
Aroclor-1242 (PCB-1242)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	ND (0.051)
Aroclor-1248 (PCB-1248)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	200	-	ND (25)	0.99 p	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	0.4 p	-	ND (0.051)
Aroclor-1254 (PCB-1254)	ND (0.051)	ND (0.055)	ND (0.059)	0.16	ND (23)	-	68	ND (0.053)	0.2	0.12	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	0.18
Aroclor-1260 (PCB-1260)	ND (0.051)	ND (0.055)	ND (0.059)	0.17	65	-	97	0.67	0.15	0.2	ND (0.051)	ND (0.055)	0.072	ND (0.052)	ND (0.057)	0.14	-	0.12
Aroclor-1262 (PCB-1262)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	ND (0.051)
Aroclor-1268 (PCB-1268)	ND (0.051)	ND (0.055)	ND (0.059)	ND (0.042)	ND (23)	-	ND (25)	ND (0.053)	ND (0.05)	ND (0.05)	ND (0.051)	ND (0.055)	ND (0.05)	ND (0.052)	ND (0.057)	ND (0.045)	-	ND (0.051)
SUM of PCBs	ND	ND	ND	0.33	265	-	165	1.66	0.35	0.32	ND	ND	0.072	ND	ND	0.54	-	0.3
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7.5	-	9.5	-	-	-	-	-	-	-	-	-	7.4	7	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1)	-	ND (2.8)	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1)	-	7.2	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1)	-	ND (2.8)	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.4)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N16									N17								
Location Name	N16	N16	N16	N16	N16	N16	N16	N16	N16A	N17	N17	N17	N17	N17	N17	N17	N17	N17
Sample Name	N16_S4_9.3-11.3	N16_S5_11.3-13.3	N16_S6_13.3-15.3	N16_S8_15.3-17.3	N16_S9_17.3-19.3	N16_S10_19.3-21.3	N16_S11_21.3-23.3	N16_S12_23.3-25.3	N16A_S4_7.3-9.3	N17_S1_0.5-0.9	N17_S2_1.1-3.1	N17_S5_1.1-6.1	N17_S3_3.1-5.1	N17_S4_5.1-7.1	N17_S6_7.1-9.1	N17_S7_9.1-11.1	N17_S8_11.1-13.1	N17_S9_13.1-15.1
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	134155-3 134155-3RA1	134155-4	134155-5	134155-7	134155-8	134155-9	134155-10	134155-11	15B0081-02	134611-36 134611-53 134611-60	134611-37	134611-40 134611-54 134611-61 134787-6 134787-7	134611-38	134611-39	134611-41	134611-42	134611-43	134611-44
Sample Depth (bgs)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	7.3 - 9.3 (ft)	0.5 - 0.9 (ft)	1.1 - 3.1 (ft)	1.1 - 6.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	11.1 - 13.1 (ft)	13.1 - 15.1 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	12 to 10	18.6 to 18.2	18 to 16	18 to 13	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	6.3	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	19	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	0.69	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	2.4	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	16	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	26	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	ND (0.31)	-	ND (6.7)	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	0.86	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.008)	-	4.9	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.077)	-	ND (2.7)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	1.9	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	1.5	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.008)	-	ND (0.67)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	ND	-	79.55	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	4.6	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	0.78	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	1.1	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	0.62	-	ND (0.37)	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	0.56	-	ND (0.37)	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	0.69	-	0.46	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	0.65	-	ND (0.37)	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	1.4	-	0.53	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	1.2	-	ND (0.37)	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.37)	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	1.1	-	0.47	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	6.22	-	7.94	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N16									N17								
Location Name	N16	N16	N16	N16	N16	N16	N16	N16	N16A	N17	N17	N17	N17	N17	N17	N17	N17	N17
Sample Name	N16_S4_9.3-11.3	N16_S5_11.3-13.3	N16_S6_13.3-15.3	N16_S8_15.3-17.3	N16_S9_17.3-19.3	N16_S10_19.3-21.3	N16_S11_21.3-23.3	N16_S12_23.3-25.3	N16A_S4_7.3-9.3	N17_S1_0.5-0.9	N17_S2_1.1-3.1	N17_S5_1.1-6.1	N17_S3_3.1-5.1	N17_S4_5.1-7.1	N17_S6_7.1-9.1	N17_S7_9.1-11.1	N17_S8_11.1-13.1	N17_S9_13.1-15.1
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	134155-3 134155-3RA1	134155-4	134155-5	134155-7	134155-8	134155-9	134155-10	134155-11	15B0081-02	134611-36 134611-53 134611-60	134611-37	134611-40 134611-54 134611-61 134787-6 134787-7	134611-38	134611-39	134611-41	134611-42	134611-43	134611-44
Sample Depth (bgs)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	7.3 - 9.3 (ft)	0.5 - 0.9 (ft)	1.1 - 3.1 (ft)	1.1 - 6.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	7.1 - 9.1 (ft)	9.1 - 11.1 (ft)	11.1 - 13.1 (ft)	13.1 - 15.1 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	12 to 10	18.6 to 18.2	18 to 16	18 to 13	16 to 14	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	160	-	290	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	180	-	470	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (34)	-	ND (170)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	-	2.8	-	8.5	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.3)	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	34	-	31	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.33)	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	ND (0.57)	-	ND (0.55)	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	22	-	40	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	56	-	250	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	0.19	-	0.18	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	12	-	7.8	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (5.5)	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (5.5)	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	20	-	11	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	67	-	31	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (12)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (12)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (12)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (12)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
Aroclor-1248 (PCB-1248)	2:00 PM	ND (0.052)	0.34	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	82	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.05)	0.12	ND (0.053)	0.063	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	90	0.3	160	-	ND (100)	ND (5.1)	0.21	0.061	0.53	ND (0.053)
Aroclor-1260 (PCB-1260)	0.7	0.093	0.14	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	25	0.22	120	-	240	42	0.49	0.13	0.94	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (12)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.05)	ND (0.052)	ND (0.053)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.057)	ND (0.085)	ND (12)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	ND (0.052)	ND (0.052)	ND (0.049)	ND (0.053)
SUM of PCBs	2.7	0.213	0.48	0.063	ND	ND	ND	ND	197	0.52	280	-	240	42	0.7	0.191	1.47	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	83.2	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	440	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	7.3	-	8.1	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	1.4	-	100	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (1.3)	-	120	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.3)	-	14	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							N18												
Location Name	N17	N17	N17	N17A	N17A	N17A	N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N19A
Sample Name	N17_S10_15.1-17.1	N17_S11_17.1-19.1	N17_S12_19.1-21.1	N17a_S1_1-6	N17a_S2_6-11	N17a_S3_23-28	N18_S1_0.9-4.8	N18_S7_4.8-14.8	N18_S2_5-7	N18_S3_7-9	N18_S4_9-11	N18_S5_11-13	N18_S6_13-15	N18_S8_15-17	N18_S9_17-19	N18_S10_19-21	N18_S11_21-23	N18_S12_23-25	N19A_S1_1.7-2.7
Sample Date	07/08/2010	07/08/2010	07/08/2010	12/30/2010	12/30/2010	12/30/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/20/2015
Lab Sample ID	134611-45	134611-46	134611-47	138884-34 138884-46 138884-57 139115-2 139115-5	138884-37 138884-47 138884-58 139115-3 139115-6	138884-38 138884-48 138884-59 139115-7	134053-54 134053-66 134053-75 134263-1	134053-59 134053-67 134053-76 134263-5	134053-41	134053-42	134053-43	134053-44	134053-45	134053-46	134053-47	134053-48	134053-49	134053-50	15K1002-01
Sample Depth (bgs)	15.1 - 17.1 (ft)	17.1 - 19.1 (ft)	19.1 - 21.1 (ft)	1 - 6 (ft)	6 - 11 (ft)	23 - 28 (ft)	0.9 - 4.8 (ft)	4.8 - 14.8 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	1.7 - 2.7 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	17.6 to 12.6	12.6 to 7.6	-4.4 to -9.4	18.1 to 14.2	14.2 to 4.2	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17 to 16
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	8.7	0.047	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	6.7	0.087	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	0.72	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	3.3	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	0.83	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	ND (3.2)	ND (0.2)	ND (0.44)	ND (0.37)	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	0.49	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	0.53	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	ND (1.3)	ND (0.05)	ND (0.11)	ND (0.093)	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	1.4	0.006	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	ND (0.32)	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	0.48	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	0.45	ND (0.005)	ND (0.011)	ND (0.009)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	23.6	0.14	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	8.4	12	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	0.53	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	0.76	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	0.92	0.52	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	0.63	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	0.97	ND (0.42)	ND (0.8)	0.63	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	0.45	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	0.94	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	0.78	ND (0.42)	ND (0.8)	2.1	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	0.69	ND (0.42)	ND (0.8)	0.51	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	1.5	0.73	ND (0.8)	4.7	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	3.8	1.5	ND (0.8)	8.2	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	3.1	1.2	ND (0.8)	6.4	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	5.9	2	ND (0.8)	7.9	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	0.69	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	2.2	0.79	ND (0.8)	2.7	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	0.73	0.51	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	0.64	ND (0.42)	ND (0.8)	1.4	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	1.8	1.3	ND (0.8)	8.2	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	0.48	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	0.73	0.44	ND (0.8)	1.8	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	6.1	3	ND (0.8)	20	0.55	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	0.88	ND (0.42)	ND (0.8)	2.3	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	0.53	0.43	ND (0.8)	1.6	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	2.6	0.8	ND (0.8)	0.93	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	4.5	2.1	ND (0.8)	21	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	ND (0.37)	ND (0.42)	ND (0.8)	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	4.8	2.3	ND (0.8)	17	0.49	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	54.88	29.62	ND	108.54	1.04	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid							N18												
Location Name	N17	N17	N17	N17A	N17A	N17A	N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N18	N19A
Sample Name	N17_S10_15.1-17.1	N17_S11_17.1-19.1	N17_S12_19.1-21.1	N17a_S1_1-6	N17a_S2_6-11	N17a_S3_23-28	N18_S1_0.9-4.8	N18_S7_4.8-14.8	N18_S2_5-7	N18_S3_7-9	N18_S4_9-11	N18_S5_11-13	N18_S6_13-15	N18_S8_15-17	N18_S9_17-19	N18_S10_19-21	N18_S11_21-23	N18_S12_23-25	N19A_S1_1.7-2.7
Sample Date	07/08/2010	07/08/2010	07/08/2010	12/30/2010	12/30/2010	12/30/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/20/2015
Lab Sample ID	134611-45	134611-46	134611-47	138884-34 138884-46 138884-57 139115-2 139115-5	138884-37 138884-47 138884-58 139115-3 139115-6	138884-38 138884-48 138884-59 139115-7	134053-54 134053-66 134053-75 134263-1	134053-59 134053-67 134053-76 134263-5	134053-41	134053-42	134053-43	134053-44	134053-45	134053-46	134053-47	134053-48	134053-49	134053-50	15K1002-01
Sample Depth (bgs)	15.1 - 17.1 (ft)	17.1 - 19.1 (ft)	19.1 - 21.1 (ft)	1 - 6 (ft)	6 - 11 (ft)	23 - 28 (ft)	0.9 - 4.8 (ft)	4.8 - 14.8 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	1.7 - 2.7 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	17.6 to 12.6	12.6 to 7.6	-4.4 to -9.4	18.1 to 14.2	14.2 to 4.2	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	17 to 16
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	350	160	ND (48)	93	ND (38)	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	270	150	68	70	ND (38)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	42	43	ND (48)	ND (32)	ND (38)	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	25	11	5.4	2.5	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	5.6	6	ND (7.5)	13	3.6	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	90	82	52	93	80	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	ND (0.34)	ND (0.4)	ND (0.75)	ND (0.33)	ND (0.33)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	1.6	2.1	ND (1.3)	1.4	1.6	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	93	53	39	12	35	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	ND (1)	ND (1)	ND (1)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	1000	810	17	160	63	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	1.9	0.82	0.062	0.13	0.27	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	12	42	18	12	22	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	ND (5.6)	ND (6.7)	ND (13)	ND (5.4)	ND (5.5)	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	ND (1.1)	ND (1.3)	ND (2.5)	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	ND (5.6)	ND (6.7)	ND (13)	ND (5.4)	ND (5.5)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	28	74	63	19	42	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	160	440	41	160	110	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	17	21	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	0.52	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	0.13
Aroclor-1260 (PCB-1260)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	0.53	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.047)	ND (0.055)	-	-	-	ND (0.43)	-	ND (0.048)	ND (0.056)	ND (0.054)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.052)	ND (0.058)	ND (0.044)	ND (0.079)	ND (0.11)
SUM of PCBs	ND	ND	ND	-	-	-	1.05	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.7
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	165 >	165 >	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	410	450	510	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7.1	7	6.9	8.4	7.8	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	2.6	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	13	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	5.3	ND (1.3)	ND (3.8)	ND (1.8)	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N19			N20				N5				N6				N7					
Location Name	N19A	N19A	N19A	N20	N20	N20	N20	N5	N5	N5	N5	N6	N6	N6	N6	N7	N7	N7	N7	N8	N8
Sample Name	N19A_S2_2.7-4.7	N19A_S3_4.7-6.7	N19A_S4_6.7-8.7	N20_S1_1.5-2.5	N20_S2_2.5-4.5	N20_S3_4.5-6.5	N20_S4_6.5-8.5	N5_S1_0.7-1.7	N5_S2_1.7-3.7	N5_S3_3.7-5.7	N5_S4_5.7-7.7	N6_S1_0.9-1.9'	N6_S2_1.9-3.9'	N6_S3_3.9-5.9'	N6_S4_5.9-7.9'	N7_S1_1.1-2.1	N7_S2_2.1-4.1	N7_S3_4.1-6.1	N7_S4_6.1-8.1	N8_S1_0.4-4.4	N8_S3_0.4-2.4
Sample Date	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/03/2015	02/03/2015
Lab Sample ID	15K1002-02	15K1002-03	15K1002-04	15K1002-18	15K1002-19	15K1002-20	15K1003-01	15K1157-13	15K1157-14	15K1157-15	15K1157-16	15K0756-18	15K0756-19	15K0756-20	15K0756-21	15K1070-03	15K1070-04	15K1070-05	15K1070-06	15B0051-01	15B0051-03
Sample Depth (bgs)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.9 to 13.9	17.9 to 15.9
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.062	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0023)	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0057)	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0057)	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0011)	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.062	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.44	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N19			N20				N5				N6				N7					
Location Name	N19A	N19A	N19A	N20	N20	N20	N20	N5	N5	N5	N5	N6	N6	N6	N6	N7	N7	N7	N7	N8	N8
Sample Name	N19A_S2_2.7-4.7	N19A_S3_4.7-6.7	N19A_S4_6.7-8.7	N20_S1_1.5-2.5	N20_S2_2.5-4.5	N20_S3_4.5-6.5	N20_S4_6.5-8.5	N5_S1_0.7-1.7	N5_S2_1.7-3.7	N5_S3_3.7-5.7	N5_S4_5.7-7.7	N6_S1_0.9-1.9'	N6_S2_1.9-3.9'	N6_S3_3.9-5.9'	N6_S4_5.9-7.9'	N7_S1_1.1-2.1	N7_S2_2.1-4.1	N7_S3_4.1-6.1	N7_S4_6.1-8.1	N8_S1_0.4-4.4	N8_S3_0.4-2.4
Sample Date	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/03/2015	02/03/2015
Lab Sample ID	15K1002-02	15K1002-03	15K1002-04	15K1002-18	15K1002-19	15K1002-20	15K1003-01	15K1157-13	15K1157-14	15K1157-15	15K1157-16	15K0756-18	15K0756-19	15K0756-20	15K0756-21	15K1070-03	15K1070-04	15K1070-05	15K1070-06	15B0051-01	15B0051-03
Sample Depth (bgs)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.9 - 1.9 (ft)	1.9 - 3.9 (ft)	3.9 - 5.9 (ft)	5.9 - 7.9 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.9 to 13.9	17.9 to 15.9
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3)	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6)	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	1.7	ND (0.12)	ND (0.13)	1.7	0.79	ND (0.12)	ND (0.13)	0.21	0.29	ND (0.11)	ND (0.11)	ND (0.11)	0.72	0.22	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	0.24
Aroclor-1254 (PCB-1254)	2.4	0.26	ND (0.13)	0.79	0.36	ND (0.12)	ND (0.13)	0.3	0.32	ND (0.11)	ND (0.11)	0.13	0.32	0.19	ND (0.12)	ND (0.11)	0.21	0.13	ND (0.11)	-	0.32
Aroclor-1260 (PCB-1260)	1.8	0.62	ND (0.13)	0.56	0.25	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.13	0.26	0.43	ND (0.12)	ND (0.11)	ND (0.11)	0.21	ND (0.11)	-	0.55
Aroclor-1262 (PCB-1262)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.52)	ND (0.12)	ND (0.13)	ND (0.22)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	-	ND (0.11)
SUM of PCBs	5.9	0.88	ND	3.05	1.4	ND	ND	0.51	0.61	ND	ND	0.26	1.3	0.84	ND	ND	0.21	0.34	ND	-	1.11
Other																					
Percent Solids, vol. (%wt)	94.2	80	74	88.2	87.5	81.3	79	89.1	88.4	88.8	88.1	88.6	85.3	84.5	81.9	85.9	87.7	79.9	87.7	88.1	91.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N8			N9																C
Location Name	N8	N8	N8	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	O10	O10	O10
Sample Name	N8_S4_2.4-4.4	N8_S2_4.4-6.4	N8_S5_4.4-6.4	N9_S1_1-4.9	N9_S2_5.4-6.4	N9_S3_5.4-10	N9_S4_6.4-8.4	N9_S5_8.4-10.4	N9_S6_10.4-12.4	N9_S7_12.4-14.4	N9_S8_14.4-16.4	N9_S9_16.4-18.4	N9_S10_18.4-20.4	N9_S11_20.4-22.4	N9_S12_22.4-24.4	N9_S13_24.4-26.4	O10_S1_1.5-6.5	O10_S2_1.5-2.5	O10_S3_2.5-4.5
Sample Date	02/03/2015	02/03/2015	02/03/2015	12/29/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	03/02/2015	03/02/2015	03/02/2015
Lab Sample ID	15B0051-04	15B0051-02 15E0552-01	15B0051-05	138861-37 138861-51 138861-56	138884-17 139115-4	138884-43 138884-54 138884-65 139115-11	138884-18	138884-19	138884-20	138884-21	138884-22	138884-23	138884-24	138884-25	138884-26	138884-27	15C0029-01 15C0337-01	15C0029-02	15C0029-03
Sample Depth (bgs)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	1 - 4.9 (ft)	5.4 - 6.4 (ft)	5.4 - 10 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	1.5 - 6.5 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)
Sample Elevation (ft BCB)	15.9 to 13.9	13.9 to 11.9	13.9 to 11.9	17.4 to 13.5	13 to 12	13 to 8.4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,2,4-Trichlorobenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,2,4-Trimethylbenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,2-Dichlorobenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,3-Dichlorobenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,4-Dichlorobenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Acetone	-	ND (0.061)	-	ND (0.2)	-	ND (0.24)	-	-	-	-	-	-	-	-	-	-	ND (0.068)	-	-
Benzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Chlorobenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Chloroform (Trichloromethane)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	0.0023	-	-
Ethylbenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Isopropylbenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
m,p-Xylenes	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
Methyl Tert Butyl Ether	-	ND (0.0024)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
Methylene chloride	-	ND (0.0061)	-	ND (0.05)	-	ND (0.06)	-	-	-	-	-	-	-	-	-	-	ND (0.0068)	-	-
Naphthalene	-	ND (0.0061)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
n-Propylbenzene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
o-Xylene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Styrene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Tetrachloroethene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Toluene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Trichloroethene	-	ND (0.0012)	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
SUM of Volatile Organic Compounds	-	ND	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	0.0023	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
1,2-Dichlorobenzene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
1,3-Dichlorobenzene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
1,4-Dichlorobenzene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
2,4-Dimethylphenol	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
2,4-Dinitrotoluene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
2,6-Dinitrotoluene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
2-Chloronaphthalene	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
2-Methylnaphthalene	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
2-Methylphenol	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
3&4-Methylphenol	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Acenaphthene	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	0.22	-	-
Acenaphthylene	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Acetophenone	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Aniline	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Anthracene	-	0.2	-	ND (0.36)	-	0.45	-	-	-	-	-	-	-	-	-	-	0.86	-	-
Benzo(a)anthracene	-	0.57	-	0.53	-	1	-	-	-	-	-	-	-	-	-	-	1.5	-	-
Benzo(a)pyrene	-	0.52	-	0.46	-	0.99	-	-	-	-	-	-	-	-	-	-	1.3	-	-
Benzo(b)fluoranthene	-	0.62	-	0.58	-	1.3	-	-	-	-	-	-	-	-	-	-	1.5	-	-
Benzo(g,h,i)perylene	-	0.31	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	0.76	-	-
Benzo(k)fluoranthene	-	0.24	-	ND (0.36)	-	0.44	-	-	-	-	-	-	-	-	-	-	0.62	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Butyl benzylphthalate	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Carbazole	-	-	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	0.62	-	0.53	-	1.1	-	-	-	-	-	-	-	-	-	-	1.4	-	-
Dibenz(a,h)anthracene	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Dibenzofuran	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Diethyl phthalate	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Di-n-butylphthalate	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Di-n-octyl phthalate	-	ND (0.74)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.81)	-	-
Fluoranthene	-	1.1	-	1.1	-	2	-	-	-	-	-	-	-	-	-	-	3.3	-	-
Fluorene	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	0.34	-	-
Indeno(1,2,3-cd)pyrene	-	0.31	-	ND (0.36)	-	0.39	-	-	-	-	-	-	-	-	-	-	0.94	-	-
Isophorone	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Naphthalene	-	ND (0.19)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	0.39	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	0.97	-	0.88	-	1.6	-	-	-	-	-	-	-	-	-	-	2.6	-	-
Phenol	-	ND (0.38)	-	ND (0.36)	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-
Pyrene	-	1.2	-	1.1	-	1.8	-	-	-	-	-	-	-	-	-	-	2.7	-	-
SUM of Semi-Volatile Organic Compounds	-	6.66	-	5.18	-	11.07	-	-	-	-	-	-	-	-	-	-	18.43	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	N8			N9													C		
Location Name	N8	N8	N8	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	N9	O10	O10	O10
Sample Name	N8_S4_2.4-4.4	N8_S2_4.4-6.4	N8_S5_4.4-6.4	N9_S1_1-4.9	N9_S2_5.4-6.4	N9_S3_5.4-10	N9_S4_6.4-8.4	N9_S5_8.4-10.4	N9_S6_10.4-12.4	N9_S7_12.4-14.4	N9_S8_14.4-16.4	N9_S9_16.4-18.4	N9_S10_18.4-20.4	N9_S11_20.4-22.4	N9_S12_22.4-24.4	N9_S13_24.4-26.4	O10_S1_1.5-6.5	O10_S2_1.5-2.5	O10_S3_2.5-4.5
Sample Date	02/03/2015	02/03/2015	02/03/2015	12/29/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	03/02/2015	03/02/2015	03/02/2015
Lab Sample ID	15B0051-04	15B0051-02 15E0552-01	15B0051-05	138861-37 138861-51 138861-56	138884-17 139115-4	138884-43 138884-54 138884-65 139115-11	138884-18	138884-19	138884-20	138884-21	138884-22	138884-23	138884-24	138884-25	138884-26	138884-27	15C0029-01 15C0337-01	15C0029-02	15C0029-03
Sample Depth (bgs)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	1 - 4.9 (ft)	5.4 - 6.4 (ft)	5.4 - 10 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	1.5 - 6.5 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)
Sample Elevation (ft BCB)	15.9 to 13.9	13.9 to 11.9	13.9 to 11.9	17.4 to 13.5	13 to 12	13 to 8.4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	110	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	82	-	49	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (21)	-	ND (24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	2.8	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	7.4	-	ND (3.4)	-	4.7	-	-	-	-	-	-	-	-	-	-	4.2	-	-
Barium	-	51	-	58	-	50	-	-	-	-	-	-	-	-	-	-	66	-	-
Beryllium	-	-	-	ND (0.34)	-	ND (0.36)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	0.69	-	0.92	-	1.6	-	-	-	-	-	-	-	-	-	-	3.8	-	-
Chromium	-	13	-	22	-	52	-	-	-	-	-	-	-	-	-	-	17	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	150	-	73	-	170	-	-	-	-	-	-	-	-	-	-	180	-	-
Mercury	-	0.86	-	0.35	-	0.98	-	-	-	-	-	-	-	-	-	-	0.36	-	-
Nickel	-	-	-	16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (5.7)	-	ND (5.7)	-	ND (6)	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-
Silver	-	ND (0.57)	-	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (0.6)	-	-
Thallium	-	-	-	ND (5.7)	-	ND (6)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	39	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	79	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.23	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	0.34	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	ND (0.12)	ND (0.12)
Aroclor-1221 (PCB-1221)	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	ND (0.12)	ND (0.12)
Aroclor-1232 (PCB-1232)	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	ND (0.12)	ND (0.12)
Aroclor-1242 (PCB-1242)	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	ND (0.12)	ND (0.12)
Aroclor-1248 (PCB-1248)	0.69	-	ND (0.11)	0.11	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	0.58	0.98
Aroclor-1254 (PCB-1254)	1.1	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	0.47	0.59
Aroclor-1260 (PCB-1260)	2.8	-	0.16	0.054	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	0.22	0.53
Aroclor-1262 (PCB-1262)	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	ND (0.12)	ND (0.12)
Aroclor-1268 (PCB-1268)	ND (0.57)	-	ND (0.11)	ND (0.044)	ND (0.048)	-	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	ND (0.05)	ND (0.055)	ND (0.058)	ND (0.055)	ND (0.079)	-	ND (0.12)	ND (0.12)
SUM of PCBs	4.59	-	0.16	0.164	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	1.27	2.1
Other																			
Percent Solids, vol. (%wt)	87.1	89.9, 89.9	91.3	-	-	-	-	-	-	-	-	-	-	-	-	-	82.7, 82.7	82.1	83.1
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (4)	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-
Reactive Sulfide (mg/kg)	-	ND (20)	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-
Oxidation reduction potential (mv)	-	85	-	-	-	540	-	-	-	-	-	-	-	-	-	-	81	-	-
Ignitability (Flashpoint) (PA)	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-
pH Corrosivity (pH units)	-	7.8	-	8.3	-	7.1	-	-	-	-	-	-	-	-	-	-	8.6	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	10			O11								O12							
Location Name	O10	O10	O10	O11	O11	O11	O11	O11	O11	O11	O11	O12	O12	O12	O12	O12	O12	O12	O12
Sample Name	O10_S4_4.5-6.5	O10_S5_6.5-8.5	O10_S6_8.5-10.5	O11_S1_4.5-6.5	O11_S2_4.5-9.5	O11_S3_6.5-8.5	O11_S4_8.5-10.5	O11_S5_9.5-14.5	O11_S6_10.5-12.5	O11_S7_12.5-14.5	O11_S8_14.5-19.5	O12_S1_0.3-3.5	O12_S2_5.2-8.5	O12_S3_5.2-6.5	O12_S4_6.5-8.5	O12_S5_8.5-10.5	O12_S6_10.5-12.5	O12_S7_12.5-14.5	O12_S8_14.5-16.5
Sample Date	03/02/2015	03/02/2015	03/02/2015	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/03/2011	06/01/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010
Lab Sample ID	15C0029-04	15C0029-05	15C0515-01	138884-28	138884-44 138884-55 138884-66	138884-29	138884-30	138884-45 138884-56 138884-67 139115-12	138884-31	138884-32	138916-27 138916-41 138916-53 139127-13	133615-33 133615-40 133615-47 133615-54	133618-46 133618-56 133618-66	133618-15	133618-16	133618-17	133618-18	133618-19	133618-20
Sample Depth (bgs)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	4.5 - 6.5 (ft)	4.5 - 9.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	9.5 - 14.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 19.5 (ft)	0.3 - 3.5 (ft)	5.2 - 8.5 (ft)	5.2 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	10 to 8	14 to 12	14 to 9	12 to 10	10 to 8	9 to 4	8 to 6	6 to 4	4 to -1	18.2 to 15	13.3 to 10	13.3 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Acetone	-	-	-	-	ND (0.31)	-	-	ND (0.2)	-	-	ND (0.23)	ND (0.4)	ND (0.38)	-	-	-	-	-	-
Benzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	ND (0.078)	-	-	ND (0.05)	-	-	ND (0.058)	ND (0.1)	ND (0.094)	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
o-Xylene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Styrene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Toluene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
Trichloroethene	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	ND (0.006)	ND (0.01)	ND (0.009)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	ND	-	-	ND	-	-	ND	ND	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	0.51	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Acetophenone	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Aniline	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Anthracene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	0.93	0.45	ND (0.42)	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	1.1	1.2	ND (0.42)	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	0.77	1.1	ND (0.42)	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	0.83	1.6	ND (0.42)	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	0.53	ND (0.42)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	1	2	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Carbazole	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Chrysene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	0.92	1.1	ND (0.42)	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	0.59	-	-	ND (0.41)	-	-	2.2	2.5	0.52	-	-	-	-	-	-
Fluorene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Isophorone	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	0.52	-	-	ND (0.41)	-	-	1.7	1.6	0.6	-	-	-	-	-	-
Phenol	-	-	-	-	ND (0.4)	-	-	ND (0.41)	-	-	ND (0.43)	ND (0.35)	ND (0.42)	-	-	-	-	-	-
Pyrene	-	-	-	-	0.45	-	-	ND (0.41)	-	-	1.8	1.8	0.48	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	1.56	-	-	ND	-	-	10.25	12.88	4.11	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	10			O11								O12							
Location Name	O10	O10	O10	O11	O11	O11	O11	O11	O11	O11	O11	O12	O12	O12	O12	O12	O12	O12	O12
Sample Name	O10_S4_4.5-6.5	O10_S5_6.5-8.5	O10_S6_8.5-10.5	O11_S1_4.5-6.5	O11_S2_4.5-9.5	O11_S3_6.5-8.5	O11_S4_8.5-10.5	O11_S5_9.5-14.5	O11_S6_10.5-12.5	O11_S7_12.5-14.5	O11_S8_14.5-19.5	O12_S1_0.3-3.5	O12_S2_5.2-8.5	O12_S3_5.2-6.5	O12_S4_6.5-8.5	O12_S5_8.5-10.5	O12_S6_10.5-12.5	O12_S7_12.5-14.5	O12_S8_14.5-16.5
Sample Date	03/02/2015	03/02/2015	03/02/2015	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/03/2011	06/01/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010
Lab Sample ID	15C0029-04	15C0029-05	15C0515-01	138884-28	138884-44 138884-55 138884-66	138884-29	138884-30	138884-45 138884-56 138884-67 139115-12	138884-31	138884-32	138916-27 138916-41 138916-53 139127-13	133615-33 133615-40 133615-47 133615-54	133618-46 133618-56 133618-66	133618-15	133618-16	133618-17	133618-18	133618-19	133618-20
Sample Depth (bgs)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	4.5 - 6.5 (ft)	4.5 - 9.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	9.5 - 14.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 19.5 (ft)	0.3 - 3.5 (ft)	5.2 - 8.5 (ft)	5.2 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	10 to 8	14 to 12	14 to 9	12 to 10	10 to 8	9 to 4	8 to 6	6 to 4	4 to -1	18.2 to 15	13.3 to 10	13.3 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	160	-	-	ND (25)	-	-	75	40	ND (37)	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	130	-	-	ND (25)	-	-	32	60	ND (37)	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	ND (23)	-	-	ND (25)	-	-	ND (25)	ND (32)	ND (37)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	4	-	-	4.9	-	-	4.7	1.8	2.1	-	-	-	-	-	-
Arsenic	-	-	-	-	7.1	-	-	ND (4)	-	-	ND (4)	ND (3.3)	ND (3.8)	-	-	-	-	-	-
Barium	-	-	-	-	43	-	-	65	-	-	79	22	40	-	-	-	-	-	-
Beryllium	-	-	-	-	ND (0.38)	-	-	ND (0.4)	-	-	ND (0.4)	ND (0.33)	ND (0.38)	-	-	-	-	-	-
Cadmium	-	-	-	-	1.2	-	-	1	-	-	1.2	ND (0.56)	2.6	-	-	-	-	-	-
Chromium	-	-	-	-	8.2	-	-	36	-	-	44	6.6	16	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1)	-	-	-	-	-	-	-	-
Lead	-	-	-	-	57	-	-	33	-	-	32	10	77	-	-	-	-	-	-
Mercury	-	-	-	-	0.18	-	-	0.15	-	-	1.2	0.075	0.038	-	-	-	-	-	-
Nickel	-	-	-	-	11	-	-	26	-	-	27	9.6	16	-	-	-	-	-	-
Selenium	-	-	-	-	ND (6.3)	-	-	ND (6.7)	-	-	ND (6.6)	ND (5.6)	ND (6.3)	-	-	-	-	-	-
Silver	-	-	-	-	ND (1.3)	-	-	ND (1.3)	-	-	ND (1.3)	ND (1.1)	ND (1.3)	-	-	-	-	-	-
Thallium	-	-	-	-	ND (6.3)	-	-	ND (6.7)	-	-	ND (6.6)	ND (5.6)	ND (6.3)	-	-	-	-	-	-
Vanadium	-	-	-	-	22	-	-	58	-	-	65	13	31	-	-	-	-	-	-
Zinc	-	-	-	-	110	-	-	63	-	-	71	43	130	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	0.46	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
Aroclor-1248 (PCB-1248)	0.5	2.4	6.8	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
Aroclor-1254 (PCB-1254)	0.69	5	15	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	0.66	ND (0.057)	ND (0.053)
Aroclor-1260 (PCB-1260)	0.4	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	0.29	ND (0.051)	-	0.11	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	0.47	ND (0.057)	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.12)	ND (1.1)	ND (2.4)	ND (0.044)	-	ND (0.058)	ND (0.049)	-	ND (0.05)	ND (0.051)	-	ND (0.04)	ND (0.04)	ND (0.046)	ND (0.057)	ND (0.055)	ND (0.04)	ND (0.057)	ND (0.053)
SUM of PCBs	1.59	7.4	21.8	ND	-	ND	ND	-	0.29	ND	-	0.57	ND	ND	ND	ND	1.13	ND	ND
Other																			
Percent Solids, vol. (%wt)	79.7	86.1	83.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	-	-	165 >	-	-	165 >	165 >	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	-	-	ND (50)	-	-	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	-	-	ND (100)	-	-	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	510	-	-	460	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	7	-	-	6.9	-	-	6.9	6.8	6.8	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.9)	-	-	ND (1.3)	-	-	ND (1.4)	ND (1.4)	2.4	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	ND (1.9)	-	-	ND (1.3)	-	-	ND (1.4)	ND (1.4)	ND (2.3)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.9)	-	-	ND (1.3)	-	-	ND (1.4)	ND (1.4)	ND (2.3)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					O13													
Location Name	O12	O12	O12	O12	O13	O13	O13	O13	O13	O13	O13	O13	O13	O13	O13	O13	O14	O14
Sample Name	O12_S9_16.5-18.5	O12_S10_18.5-20.5	O12_S11_20.5-22.5	O12_S12_22.5-24.5	O13_S1_0.4-4.5	O13_S2_4.5-7.5	O13_S3_4.5-6.5	O13_S4_6.5-7.5	O13_S5_7.5-8.5	O13_S6_10.5-12.5	O13_S7_12.5-14.5	O13_S8_14.5-16.5	O13_S9_16.5-18.5	O13_S10_18.5-20.5	O13_S11_20.5-21.5	O13_S12_21.5-22.5	O14_S1_0.7-3.1	O14_S5_3.1-13.0
Sample Date	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/21/2010	06/21/2010
Lab Sample ID	133618-21	133618-22	133618-23	133618-24	133689-13 133689-51 133689-60	133689-14 133689-52 133689-61 133883-2	133689-15	133689-16	133689-17	133689-18	133689-19	133689-20	133689-21	133689-22	133689-23	133689-24	134155-35 134155-31 134155-69 134155-80	134155-70 134155-81 134328-7
Sample Depth (bgs)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.4 - 4.5 (ft)	4.5 - 7.5 (ft)	4.5 - 6.5 (ft)	6.5 - 7.5 (ft)	7.5 - 8.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 21.5 (ft)	21.5 - 22.5 (ft)	0.7 - 3.1 (ft)	3.1 - 13 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	18.2 to 14.1	14.1 to 11.1	14.1 to 12.1	12.1 to 11.1	11.1 to 10.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -2.9	-2.9 to -3.9	18 to 15.6	15.6 to 5.7
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,2-Dichlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,3-Dichlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
1,4-Dichlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Acetone	-	-	-	-	ND (0.3)	ND (0.2)	-	-	-	-	-	-	-	-	-	-	ND (0.21)	ND (0.28)
Benzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Chlorobenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Chloroform (Trichloromethane)	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Ethylbenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Isopropylbenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
m,p-Xylenes	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Methyl Tert Butyl Ether	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Methylene chloride	-	-	-	-	ND (0.076)	ND (0.051)	-	-	-	-	-	-	-	-	-	-	ND (0.052)	ND (0.069)
Naphthalene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
n-Propylbenzene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
o-Xylene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Styrene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Tetrachloroethene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Toluene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
Trichloroethene	-	-	-	-	ND (0.008)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.007)
SUM of Volatile Organic Compounds	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
1,2-Dichlorobenzene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
1,3-Dichlorobenzene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
1,4-Dichlorobenzene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
2,4-Dimethylphenol	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
2,4-Dinitrotoluene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
2,6-Dinitrotoluene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
2-Chloronaphthalene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
2-Methylnaphthalene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
2-Methylphenol	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
3&4-Methylphenol	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Acenaphthene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Acenaphthylene	-	-	-	-	ND (0.35)	0.36	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Acetophenone	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Aniline	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Anthracene	-	-	-	-	ND (0.35)	0.42	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Benzo(a)anthracene	-	-	-	-	0.45	1.4	-	-	-	-	-	-	-	-	-	-	0.41	ND (0.43)
Benzo(a)pyrene	-	-	-	-	0.39	1.4	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Benzo(b)fluoranthene	-	-	-	-	0.55	2.6	-	-	-	-	-	-	-	-	-	-	0.53	ND (0.43)
Benzo(g,h,i)perylene	-	-	-	-	ND (0.35)	0.58	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Benzo(k)fluoranthene	-	-	-	-	ND (0.35)	0.96	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.35)	1.2	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Butyl benzylphthalate	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Carbazole	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Chrysene	-	-	-	-	0.44	1.3	-	-	-	-	-	-	-	-	-	-	0.41	ND (0.43)
Dibenz(a,h)anthracene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Dibenzofuran	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Diethyl phthalate	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Di-n-butylphthalate	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Di-n-octyl phthalate	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Fluoranthene	-	-	-	-	1.1	2.8	-	-	-	-	-	-	-	-	-	-	0.96	ND (0.43)
Fluorene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Indeno(1,2,3-cd)pyrene	-	-	-	-	ND (0.35)	0.78	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Isophorone	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Naphthalene	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
N-Nitrosodiphenylamine	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Phenanthrene	-	-	-	-	0.86	1.8	-	-	-	-	-	-	-	-	-	-	0.9	ND (0.43)
Phenol	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.43)
Pyrene	-	-	-	-	0.86	2.2	-	-	-	-	-	-	-	-	-	-	0.71	ND (0.43)
SUM of Semi-Volatile Organic Compounds	-	-	-	-	4.65	17.8	-	-	-	-	-	-	-	-	-	-	3.92	ND

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					O13													
Location Name	O12	O12	O12	O12	O13	O13	O13	O13	O13	O13	O13	O13	O13	O13	O13	O13	O14	O14
Sample Name	O12_S9_16.5-18.5	O12_S10_18.5-20.5	O12_S11_20.5-22.5	O12_S12_22.5-24.5	O13_S1_0.4-4.5	O13_S2_4.5-7.5	O13_S3_4.5-6.5	O13_S4_6.5-7.5	O13_S5_7.5-8.5	O13_S6_10.5-12.5	O13_S7_12.5-14.5	O13_S8_14.5-16.5	O13_S9_16.5-18.5	O13_S10_18.5-20.5	O13_S11_20.5-21.5	O13_S12_21.5-22.5	O14_S1_0.7-3.1	O14_S5_3.1-13.0
Sample Date	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	06/21/2010	06/21/2010
Lab Sample ID	133618-21	133618-22	133618-23	133618-24	133689-13 133689-51 133689-60	133689-14 133689-52 133689-61 133883-2	133689-15	133689-16	133689-17	133689-18	133689-19	133689-20	133689-21	133689-22	133689-23	133689-24	134155-31 134155-69 134155-80	134155-35 134155-70 134155-81 134328-7
Sample Depth (bgs)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 24.5 (ft)	0.4 - 4.5 (ft)	4.5 - 7.5 (ft)	4.5 - 6.5 (ft)	6.5 - 7.5 (ft)	7.5 - 8.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 21.5 (ft)	21.5 - 22.5 (ft)	0.7 - 3.1 (ft)	3.1 - 13 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	18.2 to 14.1	14.1 to 11.1	14.1 to 12.1	12.1 to 11.1	11.1 to 10.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1	0.1 to -1.9	-1.9 to -2.9	-2.9 to -3.9	18 to 15.6	15.6 to 5.7
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	87	360	-	-	-	-	-	-	-	-	-	-	170	140
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	140	630	-	-	-	-	-	-	-	-	-	-	230	79
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	ND (31)	360	-	-	-	-	-	-	-	-	-	-	ND (31)	ND (39)
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	2	6	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1.3)
Arsenic	-	-	-	-	ND (3.2)	ND (3.4)	-	-	-	-	-	-	-	-	-	-	ND (3)	6.2
Barium	-	-	-	-	75	61	-	-	-	-	-	-	-	-	-	-	15	60
Beryllium	-	-	-	-	ND (0.32)	ND (0.34)	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.4)
Cadmium	-	-	-	-	0.83	2.5	-	-	-	-	-	-	-	-	-	-	0.88	1.7
Chromium	-	-	-	-	13	20	-	-	-	-	-	-	-	-	-	-	17	33
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	-	-	-	-	50	340	-	-	-	-	-	-	-	-	-	-	21	33
Mercury	-	-	-	-	0.14	0.32	-	-	-	-	-	-	-	-	-	-	0.17	0.047
Nickel	-	-	-	-	9.1	14	-	-	-	-	-	-	-	-	-	-	11	22
Selenium	-	-	-	-	ND (5.3)	5.6	-	-	-	-	-	-	-	-	-	-	ND (5)	7.3
Silver	-	-	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1.3)
Thallium	-	-	-	-	ND (5.3)	ND (5.6)	-	-	-	-	-	-	-	-	-	-	ND (5)	ND (6.7)
Vanadium	-	-	-	-	38	67	-	-	-	-	-	-	-	-	-	-	20	33
Zinc	-	-	-	-	66	84	-	-	-	-	-	-	-	-	-	-	45	65
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
Aroclor-1242 (PCB-1242)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.6	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.57	-
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	1.9	7.5	0.048	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.19	-	1.7	6	0.045	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.11	-
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (2.2)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.042)	-
SUM of PCBs	ND	ND	ND	ND	0.79	-	3.6	13.5	0.093	ND	ND	ND	ND	ND	ND	ND	0.68	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	440
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	9.2	7.1	-	-	-	-	-	-	-	-	-	-	8	7.8
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (1.5)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	2.2	3.4	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (1.5)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	4.1	5.6	-	-	-	-	-	-	-	-	-	-	ND (1.6)	ND (1.5)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	O14								O15										
Location Name	O14	O14	O14	O14	O14	O14	O14	O14	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15
Sample Name	O14_S2_6.7-8.7	O14_S3_8.7-10.7	O14_S4_10.7-12.7	O14_S6_12.7-14.7	O14_S7_14.7-16.7	O14_S8_16.7-18.7	O14_S9_18.7-20.7	O14_S10_20.7-22.7	O15_S1_0.4-5.0	O15_S7_5-15	O15_S2_6-8	O15_S3_8-10	O15_S4_10-12	O15_S5_12-14	O15_S6_14-16	O15_S8_16-18	O15_S9_18-20	O15_S10_20-22	O15_S11_22-24
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	134155-32	134155-33	134155-34	134155-36	134155-37	134155-38	134176-27	134176-28	134155-20 134155-67 134155-78 134328-3	134155-26 134155-68 134155-79 134328-4	134155-21	134155-22	134155-23	134155-24	134155-25	134155-27	134155-28	134155-29	134155-30
Sample Depth (bgs)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.4 - 5 (ft)	5 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 13.9	13.9 to 3.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.063)	ND (0.062)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	1.9	ND (0.42)	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	0.62	ND (0.42)	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.48	ND (0.42)	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.46	ND (0.42)	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	0.8	ND (0.42)	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	0.64	ND (0.42)	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	1.2	0.52	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	2.6	ND (0.42)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	2.3	ND (0.42)	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	1.4	ND (0.42)	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.42)	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	0.81	0.47	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	13.21	0.99	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	O14								O15										
Location Name	O14	O14	O14	O14	O14	O14	O14	O14	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15	O15
Sample Name	O14_S2_6.7-8.7	O14_S3_8.7-10.7	O14_S4_10.7-12.7	O14_S6_12.7-14.7	O14_S7_14.7-16.7	O14_S8_16.7-18.7	O14_S9_18.7-20.7	O14_S10_20.7-22.7	O15_S1_0.4-5.0	O15_S7_5-15	O15_S2_6-8	O15_S3_8-10	O15_S4_10-12	O15_S5_12-14	O15_S6_14-16	O15_S8_16-18	O15_S9_18-20	O15_S10_20-22	O15_S11_22-24
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/22/2010	06/22/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	134155-32	134155-33	134155-34	134155-36	134155-37	134155-38	134176-27	134176-28	134155-20 134155-67 134155-78 134328-3	134155-26 134155-68 134155-79 134328-4	134155-21	134155-22	134155-23	134155-24	134155-25	134155-27	134155-28	134155-29	134155-30
Sample Depth (bgs)	6.7 - 8.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	12.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)	20.7 - 22.7 (ft)	0.4 - 5 (ft)	5 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18.5 to 13.9	13.9 to 3.9	12.9 to 10.9	10.9 to 8.9	8.9 to 6.9	6.9 to 4.9	4.9 to 2.9	2.9 to 0.9	0.9 to -1.1	-1.1 to -3.1	-3.1 to -5.1
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	200	170	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	230	ND (37)	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (32)	ND (37)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	29	1.4	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	4.4	7.2	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	46	91	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.32)	ND (0.38)	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	1.7	0.79	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	22	23	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	1700	720	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	0.048	0.14	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	170	15	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND (5.4)	ND (6.3)	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (5.4)	ND (6.3)	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	48	33	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	510	120	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	58	ND (0.3)	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1221 (PCB-1221)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1232 (PCB-1232)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1242 (PCB-1242)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1248 (PCB-1248)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1254 (PCB-1254)	ND (0.049)	0.11	0.052	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	5.6	-	0.57	0.13	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1260 (PCB-1260)	ND (0.049)	0.097	0.079	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	3.1	-	0.36	0.18	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1262 (PCB-1262)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
Aroclor-1268 (PCB-1268)	ND (0.049)	ND (0.051)	ND (0.045)	ND (0.051)	ND (0.058)	ND (0.053)	ND (0.051)	ND (0.048)	ND (2.2)	-	ND (0.047)	ND (0.054)	ND (0.052)	ND (0.052)	ND (0.051)	ND (0.069)	ND (0.053)	ND (0.051)	ND (0.073)
SUM of PCBs	ND	0.207	0.131	ND	ND	ND	ND	ND	8.7	-	0.93	0.31	ND	ND	ND	ND	ND	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	7.9	7.9	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.7)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					O16															
Location Name	O15A	O15A	O15A	O15A	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16A	O16A	O17	O17	O17	O17
Sample Name	O15A_S1_2-6.8	O15A_S2_2.8-4.8	O15A_S3_4.8-6.8	O15A_S4_6.8-8.8	O16_S1_0.4-7.0	O16_S7_7-17	O16_S2_8-10	O16_S3_10-12	O16_S4_12-14	O16_S5_14-16	O16_S6_16-18	O16_S8_18-20	O16_S9_20-22	O16_S10_22-24	O16A_S1_2.1-7	O16A_S5_5-7	O17_S1_0.5-1.3	O17_S2_1.8-3.8	O17_S5_1.8-7.8	O17_S3_3.8-5.8
Sample Date	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	15A0787-01 15A0973-01	15A0787-02	15B0138-01	15B0138-02	134117-47 134117-59 134117-68 134331-3 134331-7	134117-48 134117-60 134117-69	134117-29	134117-30	134117-31	134117-32	134117-33	134117-34	134117-35	134117-36	15A0727-01 15A0915-01	15A0727-05	134611-24 134611-51 134611-58 134787-4	134611-25	134611-28 134611-52 134611-59 134787-5	134611-26
Sample Depth (bgs)	2 - 6.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	0.4 - 7 (ft)	7 - 17 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.1 - 7 (ft)	5 - 7 (ft)	0.5 - 1.3 (ft)	1.8 - 3.8 (ft)	1.8 - 7.8 (ft)	3.8 - 5.8 (ft)
Sample Elevation (ft BCB)	16.8 to 12	16 to 14	14 to 12	12 to 10	18.6 to 12	12 to 2	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	16.9 to 12	14 to 12	18.3 to 17.5	17 to 15	17 to 11	15 to 13
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0031)	-	ND (0.006)	-	ND (0.005)	-
1,2,4-Trichlorobenzene	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0031)	-	ND (0.006)	-	ND (0.005)	-
1,2,4-Trimethylbenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
1,2-Dichlorobenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-
1,3,5-Trimethylbenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
1,3-Dichlorobenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
1,4-Dichlorobenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Acetone	ND (0.068)	-	-	-	ND (0.28)	ND (0.28)	-	-	-	-	-	-	-	-	ND (0.077)	-	ND (0.24)	-	ND (0.2)	-
Benzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Chlorobenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Chloroform (Trichloromethane)	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0031)	-	ND (0.006)	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Ethylbenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Isopropylbenzene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
m,p-Xylenes	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0031)	-	ND (0.006)	-	ND (0.005)	-
Methyl Tert Butyl Ether	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0031)	-	ND (0.006)	-	ND (0.005)	-
Methylene chloride	ND (0.0068)	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-	-	ND (0.0077)	-	ND (0.059)	-	ND (0.05)	-
Naphthalene	ND (0.0068)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0077)	-	ND (0.006)	-	ND (0.005)	-
n-Propylbenzene	ND (0.0027)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
o-Xylene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Styrene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Tetrachloroethene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Toluene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
Trichloroethene	ND (0.0014)	-	-	-	ND (0.007)	ND (0.007)	-	-	-	-	-	-	-	-	ND (0.0015)	-	ND (0.006)	-	ND (0.005)	-
SUM of Volatile Organic Compounds	ND	-	-	-	ND	ND	-	-	-	-	-	-	-	-	ND	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	ND (0.39)	-	-	-	0.7	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
1,2-Dichlorobenzene	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
1,3-Dichlorobenzene	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
1,4-Dichlorobenzene	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
2,4-Dimethylphenol	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
2,4-Dinitrotoluene	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
2,6-Dinitrotoluene	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
2-Chloronaphthalene	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
2-Methylnaphthalene	0.41	-	-	-	0.39	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
2-Methylphenol	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
3&4-Methylphenol	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Acenaphthene	0.84	-	-	-	1.5	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Acenaphthylene	ND (0.19)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Acetophenone	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Aniline	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Anthracene	7.4	-	-	-	2.7	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Benzo(a)anthracene	13	-	-	-	5.8	0.49	-	-	-	-	-	-	-	-	ND (1.7)	-	1	-	ND (0.35)	-
Benzo(a)pyrene	9.1	-	-	-	5.7	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	0.8	-	ND (0.35)	-
Benzo(b)fluoranthene	13	-	-	-	8.5	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	1.2	-	ND (0.35)	-
Benzo(g,h,i)perylene	4.5	-	-	-	1.2	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Benzo(k)fluoranthene	4.3	-	-	-	3.2	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	0.43	-	ND (0.35)	-
bis(2-Ethylhexyl)phthalate	0.49	-	-	-	1.1	0.89	-	-	-	-	-	-	-	-	ND (3.3)	-	0.45	-	ND (0.35)	-
Butyl benzylphthalate	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Carbazole	-	-	-	-	1.3	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.35)	-
Chrysene	12	-	-	-	5.6	0.46	-	-	-	-	-	-	-	-	ND (1.7)	-	0.94	-	ND (0.35)	-
Dibenz(a,h)anthracene	1.7	-	-	-	0.52	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Dibenzofuran	0.77	-	-	-	0.93	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Diethyl phthalate	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Di-n-butylphthalate	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Di-n-octyl phthalate	ND (0.76)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (6.5)	-	ND (0.36)	-	ND (0.35)	-
Fluoranthene	31	-	-	-	11	0.75	-	-	-	-	-	-	-	-	ND (1.7)	-	1.8	-	ND (0.35)	-
Fluorene	1.9	-	-	-	1.3	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Indeno(1,2,3-cd)pyrene	5.1	-	-	-	1.6	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
Isophorone	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Naphthalene	1.1	-	-	-	0.72	ND (0.45)	-	-	-	-	-	-	-	-	ND (1.7)	-	ND (0.36)	-	ND (0.35)	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.35)	-
Phenanthrene	22	-	-	-	9.3	0.52	-	-	-	-	-	-	-	-	ND (1.7)	-	0.49	-	ND (0.35)	-
Phenol	ND (0.39)	-	-	-	ND (0.37)	ND (0.45)	-	-	-	-	-	-	-	-	ND (3.3)	-	ND (0.36)	-	ND (0.35)	-
Pyrene	26	-	-	-	9.6	0.68	-	-	-	-	-	-	-	-	ND (1.7)	-	1.7	-	ND (0.35)	-
SUM of Semi-Volatile Organic Compounds	154.61	-	-	-	72.66	3.79	-	-	-	-	-	-	-	-	ND	-	8.81	-	ND	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					O16															
Location Name	O15A	O15A	O15A	O15A	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16	O16A	O16A	O17	O17	O17	O17
Sample Name	O15A_S1_2-6.8	O15A_S2_2.8-4.8	O15A_S3_4.8-6.8	O15A_S4_6.8-8.8	O16_S1_0.4-7.0	O16_S7_7-17	O16_S2_8-10	O16_S3_10-12	O16_S4_12-14	O16_S5_14-16	O16_S6_16-18	O16_S8_18-20	O16_S9_20-22	O16_S10_22-24	O16A_S1_2.1-7	O16A_S5_5-7	O17_S1_0.5-1.3	O17_S2_1.8-3.8	O17_S5_1.8-7.8	O17_S3_3.8-5.8
Sample Date	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010
Lab Sample ID	15A0787-01 15A0973-01	15A0787-02	15B0138-01	15B0138-02	134117-47 134117-59 134117-68 134331-3 134331-7	134117-48 134117-60 134117-69	134117-29	134117-30	134117-31	134117-32	134117-33	134117-34	134117-35	134117-36	15A0727-01 15A0915-01	15A0727-05	134611-24 134611-51 134611-58 134787-4	134611-25	134611-28 134611-52 134611-59 134787-5	134611-26
Sample Depth (bgs)	2 - 6.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	6.8 - 8.8 (ft)	0.4 - 7 (ft)	7 - 17 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	2.1 - 7 (ft)	5 - 7 (ft)	0.5 - 1.3 (ft)	1.8 - 3.8 (ft)	1.8 - 7.8 (ft)	3.8 - 5.8 (ft)
Sample Elevation (ft BCB)	16.8 to 12	16 to 14	14 to 12	12 to 10	18.6 to 12	12 to 2	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	-3 to -5	16.9 to 12	14 to 12	18.3 to 17.5	17 to 15	17 to 11	15 to 13
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	790	-	-	-	-	-	-	-	-	-	-	-	-	-	1700	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	290	54	-	-	-	-	-	-	-	-	-	-	160	-	170	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	210	54	-	-	-	-	-	-	-	-	-	-	190	-	230	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	46	ND (40)	-	-	-	-	-	-	-	-	-	-	ND (31)	-	ND (31)	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	18	2.4	-	-	-	-	-	-	-	-	-	-	4	-	7.4	-
Arsenic	ND (2.7)	-	-	-	ND (3.4)	4.4	-	-	-	-	-	-	-	-	ND (3)	-	ND (3.3)	-	ND (3.2)	-
Barium	71	-	-	-	170	51	-	-	-	-	-	-	-	-	43	-	34	-	59	-
Beryllium	-	-	-	-	ND (0.34)	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)	-
Cadmium	5.3	-	-	-	6.2	1.1	-	-	-	-	-	-	-	-	1.1	-	ND (0.56)	-	ND (0.54)	-
Chromium	30	-	-	-	51	30	-	-	-	-	-	-	-	-	38	-	13	-	13	-
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	400	-	-	-	2100	53	-	-	-	-	-	-	-	-	340	-	410	-	300	-
Mercury	0.19	-	-	-	2.2	0.21	-	-	-	-	-	-	-	-	0.084	-	0.85	-	0.61	-
Nickel	-	-	-	-	52	19	-	-	-	-	-	-	-	-	-	-	13	-	10	-
Selenium	ND (5.4)	-	-	-	7.4	ND (6.9)	-	-	-	-	-	-	-	-	ND (6)	-	ND (5.6)	-	ND (5.4)	-
Silver	ND (2.7)	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.1)	-	ND (1.1)	-
Thallium	-	-	-	-	ND (5.6)	ND (6.9)	-	-	-	-	-	-	-	-	-	-	ND (5.6)	-	ND (5.4)	-
Vanadium	-	-	-	-	100	39	-	-	-	-	-	-	-	-	-	-	39	-	21	-
Zinc	-	-	-	-	720	62	-	-	-	-	-	-	-	-	-	-	110	-	120	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.15	-	-	-	25	-	-	-	-	-	-	-	-	-	29	-	42	-	15	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
Aroclor-1221 (PCB-1221)	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
Aroclor-1232 (PCB-1232)	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
Aroclor-1242 (PCB-1242)	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
Aroclor-1248 (PCB-1248)	-	0.46	15	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
Aroclor-1254 (PCB-1254)	-	0.68	25	ND (0.11)	160	0.61	0.086	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	28	37	-	0.47
Aroclor-1260 (PCB-1260)	-	0.42	27	ND (0.11)	120	0.56	0.085	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	18	25	-	0.38
Aroclor-1262 (PCB-1262)	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
Aroclor-1268 (PCB-1268)	-	ND (0.11)	ND (5.6)	ND (0.11)	ND (22)	ND (0.054)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.05)	ND (0.052)	ND (0.052)	ND (0.055)	ND (0.092)	-	ND (0.12)	ND (4.3)	ND (4.4)	-	ND (0.047)
SUM of PCBs	-	1.56	67	ND	280	1.17	0.171	ND	ND	ND	ND	ND	ND	ND	-	ND	46	62	-	0.85
Other																				
Percent Solids, vol. (%wt)	87.8	88.5	87.8	88.5	-	-	-	-	-	-	-	-	-	-	81.9	82	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	ND (4)	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	ND (20)	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	ND (20)	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mv)	110	-	-	-	440	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-
pH Corrosivity (pH units)	11	-	-	-	7.7	8.3	-	-	-	-	-	-	-	-	8.3	-	7.2	-	7.2	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	2.1	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.4)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	1.7	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	1.5	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.4)	ND (1.6)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	1.5	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	O17								O18									
Location Name	O17	O17	O17	O17	O17	O17	O17	O17	O18	O18	O18	O18	O18	O18	O18	O18	O18	O18
Sample Name	O17_S4_5.8-7.8	O17_S6_7.8-9.8	O17_S7_9.8-11.8	O17_S8_11.8-13.8	O17_S9_13.8-15.8	O17_S10_15.8-17.8	O17_S11_17.8-19.8	O17_S12_19.8-21.8	O18_S1_0.7-4.7	O18_S2_4.7-6.7	O18_S3_6.7-8.7	O18_S7_4.7-14.7	O18_S4_8.7-10.7	O18_S5_10.7-12.7	O18_S6_11.7-14.7	O18_S8_14.7-16.7	O18_S9_16.7-18.7	O18_S10_18.7-20.7
Sample Date	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010
Lab Sample ID	134611-27	134611-29	134611-30	134611-31	134611-32	134611-33	134611-34	134611-35	134053-52 134053-62 134053-71	134053-11	134053-12	134117-52 134117-61 134117-70 134331-9	134117-37	134117-38	134117-39	134117-40	134117-41	134117-42
Sample Depth (bgs)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	4.7 - 14.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	11.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)
Sample Elevation (ft BCB)	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	18 to 14	14 to 12	12 to 10	14 to 4	10 to 8	8 to 6	7 to 4	4 to 2	2 to 0	0 to -2
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	ND (0.3)	-	-	ND (0.2)	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.076)	-	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.008)	-	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	0.66	-	-	ND (0.42)	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	0.55	-	-	ND (0.42)	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	0.7	-	-	ND (0.42)	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	0.68	-	-	ND (0.42)	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	1.6	-	-	ND (0.42)	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	0.39	-	-	ND (0.42)	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	1.4	-	-	ND (0.42)	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.42)	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	1.3	-	-	ND (0.42)	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	7.28	-	-	ND	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	O17								O18									
Location Name	O17	O17	O17	O17	O17	O17	O17	O17	O18	O18	O18	O18	O18	O18	O18	O18	O18	O18
Sample Name	O17_S4_5.8-7.8	O17_S6_7.8-9.8	O17_S7_9.8-11.8	O17_S8_11.8-13.8	O17_S9_13.8-15.8	O17_S10_15.8-17.8	O17_S11_17.8-19.8	O17_S12_19.8-21.8	O18_S1_0.7-4.7	O18_S2_4.7-6.7	O18_S3_6.7-8.7	O18_S7_4.7-14.7	O18_S4_8.7-10.7	O18_S5_10.7-12.7	O18_S6_11.7-14.7	O18_S8_14.7-16.7	O18_S9_16.7-18.7	O18_S10_18.7-20.7
Sample Date	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010
Lab Sample ID	134611-27	134611-29	134611-30	134611-31	134611-32	134611-33	134611-34	134611-35	134053-52 134053-62 134053-71	134053-11	134053-12	134117-52 134117-61 134117-70 134331-9	134117-37	134117-38	134117-39	134117-40	134117-41	134117-42
Sample Depth (bgs)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	4.7 - 14.7 (ft)	8.7 - 10.7 (ft)	10.7 - 12.7 (ft)	11.7 - 14.7 (ft)	14.7 - 16.7 (ft)	16.7 - 18.7 (ft)	18.7 - 20.7 (ft)
Sample Elevation (ft BCB)	13 to 11	11 to 9	9 to 7	7 to 5	5 to 3	3 to 1	1 to -1	-1 to -3	18 to 14	14 to 12	12 to 10	14 to 4	10 to 8	8 to 6	7 to 4	4 to 2	2 to 0	0 to -2
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	150	-	-	120	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	160	-	-	ND (37)	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (33)	-	-	ND (37)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	17	-	-	ND (4.1)	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	37	-	-	66	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.35)	-	-	ND (0.41)	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	0.71	-	-	1.3	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	7.8	-	-	35	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	39	-	-	39	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	0.19	-	-	0.83	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	6.6	-	-	25	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND (5.9)	-	-	ND (6.8)	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	ND (5.9)	-	-	ND (6.8)	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	12	-	-	46	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	140	-	-	69	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	0.88	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1254 (PCB-1254)	0.58	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1260 (PCB-1260)	0.39	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.047)	ND (0.053)	ND (0.055)	ND (0.057)	ND (0.053)	ND (0.052)	ND (0.05)	ND (0.058)	ND (0.45)	ND (0.051)	ND (0.051)	-	ND (0.055)	ND (0.05)	ND (0.049)	ND (0.05)	ND (0.054)	ND (0.053)
SUM of PCBs	0.97	ND	ND	ND	ND	ND	ND	ND	0.88	ND	ND	-	ND	ND	ND	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	520	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	8.6	-	-	8	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.5)	-	-	ND (1.4)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		O19				O5				O6				O7				O8		
Location Name	O18	O19	O19	O19	O19	O5	O5	O5	O5	O6	O6	O6	O6	O7	O7	O7	O7	O8	O8	O8
Sample Name	O18_S11_20.7-22.7	O19_S1_3.9-4.9	O19_S2_4.9-6.9	O19_S3_6.9-8.9	O19_S4_8.9-10.9	O5_S1_0-1.2	O5_S2_1.2-3.2	O5_S3_3.2-5.2	O5_S4_5.2-7.2	O6_S1_0.0-1.5'	O6_S2_1.5-3.5'	O6_S3_3.5-5.5	O6_S4_5.5-7.5'	O7_S1_0.8-1.8	O7_S2_1.8-3.8	O7_S3_3.8-5.8	O7_S4_5.8-7.8	O8_S1_1.0-2.0	O8_S2_2.0-4.0	O8_S3_4.0-6.0
Sample Date	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015
Lab Sample ID	134117-43	15K1002-06	15K1002-07	15K1002-08	15K1002-09	15K1157-07	15K1157-08	15K1157-09	15K1157-10	15K0836-19	15K0836-20	15K0837-01	15K0837-02	15K1069-17	15K1069-18	15K1069-19	15K1069-20	15K1068-01	15K1068-02	15K1068-03
Sample Depth (bgs)	20.7 - 22.7 (ft)	3.9 - 4.9 (ft)	4.9 - 6.9 (ft)	6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	0.1 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	0 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10	17.5 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		O19				O5				O6				O7				O8		
Location Name	O18	O19	O19	O19	O19	O5	O5	O5	O5	O6	O6	O6	O6	O7	O7	O7	O7	O8	O8	O8
Sample Name	O18_S11_20.7-22.7	O19_S1_3.9-4.9	O19_S2_4.9-6.9	O19_S3_6.9-8.9	O19_S4_8.9-10.9	O5_S1_0-1.2	O5_S2_1.2-3.2	O5_S3_3.2-5.2	O5_S4_5.2-7.2	O6_S1_0.0-1.5'	O6_S2_1.5-3.5'	O6_S3_3.5-5.5	O6_S4_5.5-7.5'	O7_S1_0.8-1.8	O7_S2_1.8-3.8	O7_S3_3.8-5.8	O7_S4_5.8-7.8	O8_S1_1.0-2.0	O8_S2_2.0-4.0	O8_S3_4.0-6.0
Sample Date	06/18/2010	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/18/2015	11/18/2015	11/18/2015	11/18/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015
Lab Sample ID	134117-43	15K1002-06	15K1002-07	15K1002-08	15K1002-09	15K1157-07	15K1157-08	15K1157-09	15K1157-10	15K0836-19	15K0836-20	15K0837-01	15K0837-02	15K1069-17	15K1069-18	15K1069-19	15K1069-20	15K1068-01	15K1068-02	15K1068-03
Sample Depth (bgs)	20.7 - 22.7 (ft)	3.9 - 4.9 (ft)	4.9 - 6.9 (ft)	6.9 - 8.9 (ft)	8.9 - 10.9 (ft)	0.1 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	0 - 1.5 (ft)	1.5 - 3.5 (ft)	3.5 - 5.5 (ft)	5.5 - 7.5 (ft)	0.8 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)	-2 to -4	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10	17.5 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	0.56	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	0.14	ND (0.11)	ND (0.11)	0.17	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	0.13	0.36	ND (0.11)	ND (0.13)	1.2	0.16	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	0.27	ND (0.11)	0.13	0.17	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	2.3	0.12	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	0.16	ND (0.11)	ND (0.11)	0.19	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
SUM of PCBs	ND	ND	ND	ND	ND	0.13	0.36	ND	ND	4.06	0.28	ND	ND	ND	ND	0.57	ND	0.13	0.53	ND
Other																				
Percent Solids, vol. (%wt)	-	79.9	78.3	80.3	69.4	88.7	91.1	89.1	78.8	89.7	88.3	87.2	83.1	95.9	88	83.8	86.4	88.1	91.5	91.6
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		O9				P10													P11		
Location Name	O8	O9	O9	O9	O9	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P11	P11	P11
Sample Name	O8_S4_6.0-8.0	O9_S1_0.5-6.0	O9_S3_0.5-2.0	O9_S4_4.0-6.0	O9_S5_6.0-8.0	P10_S1_0.9-3.8	P10_S2_4-6	P10_S5_4-8.5	P10_S3_6-8	P10_S4_8-10	P10_S6_10-12	P10_S7_12-14	P10_S8_14-16	P10_S9_16-18	P10_S10_18-20	P10_S11_20-22	P10_S12_22-23.2	P10_S13_23.2-24	P11_S1_4.5-5.7	P11_S2_4.5-5.7	P11_S3_5.7-7.7
Sample Date	11/23/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	03/04/2015	03/04/2015	03/04/2015
Lab Sample ID	15K1068-04	15C0517-01	15C0031-03	15C0031-04	15C0031-05	134015-41 134015-53 134015-63 134218-2	134015-23	134015-45 134015-54 134015-64 134218-4	134015-24	134015-25	134015-26	134015-27	134015-28	134015-29	134015-30	134015-31	134015-32	134015-33	15C0124-01 15C0402-01	15C0124-02	15C0124-03
Sample Depth (bgs)	6 - 8 (ft)	0.5 - 6 (ft)	0.5 - 2 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.9 - 3.8 (ft)	4 - 6 (ft)	4 - 8.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	4.5 - 5.7 (ft)	4.5 - 5.7 (ft)	5.7 - 7.7 (ft)
Sample Elevation (ft BCB)	12 to 10	17.5 to 12	17.5 to 16	14 to 12	12 to 10	17.1 to 14.2	14 to 12	14 to 9.5	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	14 to 12.8	14 to 12.8	12.8 to 10.8
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Acetone	-	-	-	-	-	ND (0.21)	-	ND (0.21)	-	-	-	-	-	-	-	-	-	-	ND (0.069)	-	-
Benzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Chlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Ethylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Isopropylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
m,p-Xylenes	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0027)	-	-
Methylene chloride	-	-	-	-	-	ND (0.052)	-	ND (0.053)	-	-	-	-	-	-	-	-	-	-	ND (0.0069)	-	-
Naphthalene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0069)	-	-
n-Propylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
o-Xylene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Styrene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Tetrachloroethene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Toluene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
Trichloroethene	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
2-Methylnaphthalene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
2-Methylphenol	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
3&4-Methylphenol	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Acenaphthene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
Acenaphthylene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
Acetophenone	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Aniline	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Anthracene	-	-	-	-	-	0.66	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
Benzo(a)anthracene	-	-	-	-	-	1.3	-	0.81	-	-	-	-	-	-	-	-	-	-	0.49	-	-
Benzo(a)pyrene	-	-	-	-	-	1.1	-	0.78	-	-	-	-	-	-	-	-	-	-	0.45	-	-
Benzo(b)fluoranthene	-	-	-	-	-	1.4	-	0.95	-	-	-	-	-	-	-	-	-	-	0.55	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	0.53	-	0.52	-	-	-	-	-	-	-	-	-	-	0.36	-	-
Benzo(k)fluoranthene	-	-	-	-	-	0.51	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	0.49	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Carbazole	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	1.2	-	0.82	-	-	-	-	-	-	-	-	-	-	0.56	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
Dibenzofuran	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.87)	-	-
Fluoranthene	-	-	-	-	-	2.7	-	1.6	-	-	-	-	-	-	-	-	-	-	1	-	-
Fluorene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	0.69	-	0.54	-	-	-	-	-	-	-	-	-	-	0.35	-	-
Isophorone	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Naphthalene	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	2.3	-	1.2	-	-	-	-	-	-	-	-	-	-	0.84	-	-
Phenol	-	-	-	-	-	ND (0.36)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	ND (0.44)	-	-
Pyrene	-	-	-	-	-	2.2	-	1.6	-	-	-	-	-	-	-	-	-	-	0.98	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	14.59	-	8.82	-	-	-	-	-	-	-	-	-	-	6.07	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		O9				P10													P11		
Location Name	O8	O9	O9	O9	O9	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P10	P11	P11	P11
Sample Name	O8_S4_6.0-8.0	O9_S1_0.5-6.0	O9_S3_0.5-2.0	O9_S4_4.0-6.0	O9_S5_6.0-8.0	P10_S1_0.9-3.8	P10_S2_4-6	P10_S5_4-8.5	P10_S3_6-8	P10_S4_8-10	P10_S6_10-12	P10_S7_12-14	P10_S8_14-16	P10_S9_16-18	P10_S10_18-20	P10_S11_20-22	P10_S12_22-23.2	P10_S13_23.2-24	P11_S1_4.5-5.7	P11_S2_4.5-5.7	P11_S3_5.7-7.7
Sample Date	11/23/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	03/04/2015	03/04/2015	03/04/2015
Lab Sample ID	15K1068-04	15C0517-01	15C0031-03	15C0031-04	15C0031-05	134015-41 134015-53 134015-63 134218-2	134015-23	134015-45 134015-54 134015-64 134218-4	134015-24	134015-25	134015-26	134015-27	134015-28	134015-29	134015-30	134015-31	134015-32	134015-33	15C0124-01 15C0402-01	15C0124-02	15C0124-03
Sample Depth (bgs)	6 - 8 (ft)	0.5 - 6 (ft)	0.5 - 2 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.9 - 3.8 (ft)	4 - 6 (ft)	4 - 8.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 23.2 (ft)	23.2 - 24 (ft)	4.5 - 5.7 (ft)	4.5 - 5.7 (ft)	5.7 - 7.7 (ft)
Sample Elevation (ft BCB)	12 to 10	17.5 to 12	17.5 to 16	14 to 12	12 to 10	17.1 to 14.2	14 to 12	14 to 9.5	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.2	-5.2 to -6	14 to 12.8	14 to 12.8	12.8 to 10.8
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	90	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	86	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	ND (34)	-	ND (40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	5.3	-	9.8	-	-	-	-	-	-	-	-	-	-	4.9	-	-
Barium	-	-	-	-	-	73	-	110	-	-	-	-	-	-	-	-	-	-	63	-	-
Beryllium	-	-	-	-	-	ND (0.33)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	1.8	-	2.7	-	-	-	-	-	-	-	-	-	-	1.1	-	-
Chromium	-	-	-	-	-	23	-	17	-	-	-	-	-	-	-	-	-	-	10	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	110	-	220	-	-	-	-	-	-	-	-	-	-	220	-	-
Mercury	-	-	-	-	-	0.34	-	0.13	-	-	-	-	-	-	-	-	-	-	0.11	-	-
Nickel	-	-	-	-	-	20	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	ND (7)	-	ND (8)	-	-	-	-	-	-	-	-	-	-	ND (6.6)	-	-
Silver	-	-	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (0.66)	-	-
Thallium	-	-	-	-	-	ND (5.5)	-	ND (6.7)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	31	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	100	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	ND (0.3)	-	0.8	-	-	-	-	-	-	-	-	-	-	0.24	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1221 (PCB-1221)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1232 (PCB-1232)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1242 (PCB-1242)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1248 (PCB-1248)	ND (0.12)	ND (0.12)	0.5	ND (0.12)	ND (0.13)	1.1	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1254 (PCB-1254)	ND (0.12)	ND (0.12)	0.36	ND (0.12)	ND (0.13)	ND (0.045)	0.17	-	0.14	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1260 (PCB-1260)	ND (0.12)	ND (0.12)	0.14	ND (0.12)	ND (0.13)	0.29	0.066	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1262 (PCB-1262)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
Aroclor-1268 (PCB-1268)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.045)	ND (0.049)	-	ND (0.058)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.052)	ND (0.054)	ND (0.047)	ND (0.054)	ND (0.053)	ND (0.074)	-	ND (0.12)	ND (0.12)
SUM of PCBs	ND	ND	1	ND	ND	1.39	0.236	-	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Other																					
Percent Solids, vol. (%wt)	82.8	83.7	83	80.2	78.5	-	-	-	-	-	-	-	-	-	-	-	-	-	76.8	83.1	83.8
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (3.9)	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-
pH Corrosivity (pH units)	-	-	-	-	-	8.3	-	5.9	-	-	-	-	-	-	-	-	-	-	6.6	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.2)	-	ND (1.7)	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P12												P13							
Location Name	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P13	P13	P13	P13	P13	P13	P13	P13
Sample Name	P12_S1_0.4-3.2	P12_S2_5-7	P12_S4_5-9	P12_S3_7-9	P12_S5_9-11	P12_S6_11-13	P12_S7_13-15	P12_S8_15-17	P12_S9_17-19	P12_S10_19-21	P12_S11_21-23	P12_S12_23-25	P13_S1_0.5-2.0	P13_S5_2.2-8.3	P13_S2_4.2-6.2	P13_S3_6.2-8.2	P13_S4_8.2-10.2	P13_S6_10.2-12.2	P13_S7_12.2-14.2	P13_S8_14.2-16.2
Sample Date	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	133618-49 133618-59 133618-69	133618-31	133618-50 133618-60 133618-70 133765-4	133618-32	133618-33	133618-34	133618-35	133618-36	133618-37	133618-38	133618-39	133618-40	134155-52 134155-73 134155-84	134155-56 134155-74 134155-85 134328-6	134155-53	134155-54	134155-55	134155-57	134155-58	134155-59
Sample Depth (bgs)	0.4 - 3.2 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.5 - 2 (ft)	2.2 - 8.3 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)
Sample Elevation (ft BCB)	17 to 14.2	12.4 to 10.4	12.4 to 8.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	-5.6 to -7.6	17.7 to 16.2	16 to 9.9	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Acetone	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.2)	ND (0.22)	-	-	-	-	-	-
Benzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Chlorobenzene	ND (0.005)	-	0.006	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Ethylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Isopropylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
m,p-Xylenes	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Methylene chloride	ND (0.05)	-	ND (0.051)	-	-	-	-	-	-	-	-	-	ND (0.05)	ND (0.056)	-	-	-	-	-	-
Naphthalene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
n-Propylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
o-Xylene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Styrene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Tetrachloroethene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Toluene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
Trichloroethene	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.006)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	-	0.006	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
2-Methylphenol	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
3&4-Methylphenol	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Acenaphthene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	0.47	-	-	-	-	-	-
Acenaphthylene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Acetophenone	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Aniline	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Anthracene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.43	0.92	-	-	-	-	-	-
Benzo(a)anthracene	0.69	-	0.63	-	-	-	-	-	-	-	-	-	0.99	7	-	-	-	-	-	-
Benzo(a)pyrene	0.61	-	1.1	-	-	-	-	-	-	-	-	-	0.87	4.7	-	-	-	-	-	-
Benzo(b)fluoranthene	0.8	-	0.93	-	-	-	-	-	-	-	-	-	1.2	8	-	-	-	-	-	-
Benzo(g,h,i)perylene	ND (0.36)	-	0.61	-	-	-	-	-	-	-	-	-	0.47	0.72	-	-	-	-	-	-
Benzo(k)fluoranthene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.39	2.6	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	0.41	ND (0.38)	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Carbazole	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	0.68	-	-	-	-	-	-
Chrysene	0.71	-	0.75	-	-	-	-	-	-	-	-	-	1	7.7	-	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Dibenzofuran	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	0.48	-	-	-	-	-	-
Diethyl phthalate	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Fluoranthene	1.5	-	0.8	-	-	-	-	-	-	-	-	-	1.9	20	-	-	-	-	-	-
Fluorene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	0.47	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ND (0.36)	-	0.43	-	-	-	-	-	-	-	-	-	0.52	1	-	-	-	-	-	-
Isophorone	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Naphthalene	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	0.68	-	-	-	-	-	-
N-Nitrosodiphenylamine	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Phenanthrene	1.3	-	0.65	-	-	-	-	-	-	-	-	-	1.5	6.4	-	-	-	-	-	-
Phenol	ND (0.36)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.38)	-	-	-	-	-	-
Pyrene	1.3	-	1	-	-	-	-	-	-	-	-	-	1.7	18	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	6.91	-	6.9	-	-	-	-	-	-	-	-	-	11.38	79.82	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P12												P13							
Location Name	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P13	P13	P13	P13	P13	P13	P13	P13
Sample Name	P12_S1_0.4-3.2	P12_S2_5-7	P12_S4_5-9	P12_S3_7-9	P12_S5_9-11	P12_S6_11-13	P12_S7_13-15	P12_S8_15-17	P12_S9_17-19	P12_S10_19-21	P12_S11_21-23	P12_S12_23-25	P13_S1_0.5-2.0	P13_S5_2.2-8.3	P13_S2_4.2-6.2	P13_S3_6.2-8.2	P13_S4_8.2-10.2	P13_S6_10.2-12.2	P13_S7_12.2-14.2	P13_S8_14.2-16.2
Sample Date	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010
Lab Sample ID	133618-49 133618-59 133618-69	133618-31	133618-50 133618-60 133618-70 133765-4	133618-32	133618-33	133618-34	133618-35	133618-36	133618-37	133618-38	133618-39	133618-40	134155-52 134155-73 134155-84	134155-56 134155-74 134155-85 134328-6	134155-53	134155-54	134155-55	134155-57	134155-58	134155-59
Sample Depth (bgs)	0.4 - 3.2 (ft)	5 - 7 (ft)	5 - 9 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	0.5 - 2 (ft)	2.2 - 8.3 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	8.2 - 10.2 (ft)	10.2 - 12.2 (ft)	12.2 - 14.2 (ft)	14.2 - 16.2 (ft)
Sample Elevation (ft BCB)	17 to 14.2	12.4 to 10.4	12.4 to 8.4	10.4 to 8.4	8.4 to 6.4	6.4 to 4.4	4.4 to 2.4	2.4 to 0.4	0.4 to -1.6	-1.6 to -3.6	-3.6 to -5.6	-5.6 to -7.6	17.7 to 16.2	16 to 9.9	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	51	-	64	-	-	-	-	-	-	-	-	-	87	980	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	52	-	38	-	-	-	-	-	-	-	-	-	110	1100	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (34)	-	ND (36)	-	-	-	-	-	-	-	-	-	ND (31)	820	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	3.1	-	ND (1.2)	-	-	-	-	-	-	-	-	-	1.4	2.1	-	-	-	-	-	-
Arsenic	24	-	ND (3.7)	-	-	-	-	-	-	-	-	-	3.9	ND (3.4)	-	-	-	-	-	-
Barium	120	-	45	-	-	-	-	-	-	-	-	-	67	44	-	-	-	-	-	-
Beryllium	ND (0.34)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.34)	-	-	-	-	-	-
Cadmium	1.3	-	2	-	-	-	-	-	-	-	-	-	1.3	2.1	-	-	-	-	-	-
Chromium	30	-	10	-	-	-	-	-	-	-	-	-	22	19	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	79	-	210	-	-	-	-	-	-	-	-	-	83	370	-	-	-	-	-	-
Mercury	0.11	-	0.21	-	-	-	-	-	-	-	-	-	0.33	1.3	-	-	-	-	-	-
Nickel	23	-	9.9	-	-	-	-	-	-	-	-	-	30	11	-	-	-	-	-	-
Selenium	ND (5.7)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (5.7)	-	-	-	-	-	-
Silver	ND (1.1)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.1)	-	-	-	-	-	-
Thallium	ND (5.7)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (5.7)	-	-	-	-	-	-
Vanadium	34	-	19	-	-	-	-	-	-	-	-	-	31	28	-	-	-	-	-	-
Zinc	55	-	97	-	-	-	-	-	-	-	-	-	100	110	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	1.6	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1242 (PCB-1242)	1.8	ND (0.04)	0.056	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	1.5	-	ND (0.24)	1.6	0.17	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	0.69	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1260 (PCB-1260)	0.4	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	0.36	-	1.8	0.79	0.068	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.099)	ND (0.043)	-	ND (0.24)	ND (0.22)	ND (0.054)	ND (0.06)	ND (0.054)	ND (0.053)
SUM of PCBs	2.2	ND	0.056	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.86	-	2.49	2.39	0.238	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	7	-	6.7	-	-	-	-	-	-	-	-	-	9.5	8.4	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.2)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	ND (1.2)	1.5	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.1)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.2)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					P14													
Location Name	P13	P13	P13	P13	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14A
Sample Name	P13_S9_16.2-18.2	P13_S10_18.2-20.2	P13_S11_20.2-21.9	P13_S12_22.2-24.2	P14_S1_0.9-3.2	P14_S4_3.6-7.3	P14_S2_4.3-6.3	P14_S3_6.3-8.3	P14_S5_8.3-10.3	P14_S6_10.3-12.3	P14_S7_12.3-14.3	P14_S8_16.3-18.3	P14_S9_18.3-20.3	P14_S10_20.3-22.3	P14_S11_20.3-22.3	P14_S12_22.3-23	P14_S13_23-24.3	P14a_S1_0.5-2.3
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/05/2011
Lab Sample ID	134155-60	134155-61	134155-62	134155-63	134155-39 134155-71 134155-82	134155-42 134155-72 134155-83 134328-5	134155-40	134155-41	134155-43	134155-44	134155-45	134155-46	134155-47	134155-48	134155-49	134155-50	134155-51	138980-17
Sample Depth (bgs)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 21.9 (ft)	22.2 - 24.2 (ft)	0.9 - 3.2 (ft)	3.6 - 7.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	20.3 - 22.3 (ft)	22.3 - 23 (ft)	23 - 24.3 (ft)	0.5 - 2.3 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -3.7	-4 to -6	17.4 to 15.1	14.7 to 11	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-2 to -4	-4 to -4.7	-4.7 to -6	17.9 to 16.1
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	ND (0.22)	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	ND (0.054)	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	ND (0.35)	2.9	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	ND (0.35)	10	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	ND (0.35)	2.2	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	0.57	19	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	1.3	25	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	1.2	20	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	1.4	27	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	0.73	3.5	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	0.53	11	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	ND (0.35)	7.7	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	1.3	23	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	ND (0.35)	5.8	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	2.5	57	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	ND (0.35)	11	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	0.77	4.5	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.35)	3.6	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	2	71	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	ND (0.35)	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	2.2	42	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	14.5	346.2	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					P14													
Location Name	P13	P13	P13	P13	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14	P14A
Sample Name	P13_S9_16.2-18.2	P13_S10_18.2-20.2	P13_S11_20.2-21.9	P13_S12_22.2-24.2	P14_S1_0.9-3.2	P14_S4_3.6-7.3	P14_S2_4.3-6.3	P14_S3_6.3-8.3	P14_S5_8.3-10.3	P14_S6_10.3-12.3	P14_S7_12.3-14.3	P14_S8_16.3-18.3	P14_S9_18.3-20.3	P14_S10_20.3-22.3	P14_S11_20.3-22.3	P14_S12_22.3-23	P14_S13_23-24.3	P14a_S1_0.5-2.3
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	06/21/2010	01/05/2011
Lab Sample ID	134155-60	134155-61	134155-62	134155-63	134155-39 134155-71 134155-82	134155-42 134155-72 134155-83 134328-5	134155-40	134155-41	134155-43	134155-44	134155-45	134155-46	134155-47	134155-48	134155-49	134155-50	134155-51	138980-17
Sample Depth (bgs)	16.2 - 18.2 (ft)	18.2 - 20.2 (ft)	20.2 - 21.9 (ft)	22.2 - 24.2 (ft)	0.9 - 3.2 (ft)	3.6 - 7.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)	12.3 - 14.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	20.3 - 22.3 (ft)	22.3 - 23 (ft)	23 - 24.3 (ft)	0.5 - 2.3 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -3.7	-4 to -6	17.4 to 15.1	14.7 to 11	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	2 to 0	0 to -2	-2 to -4	-2 to -4	-4 to -4.7	-4.7 to -6	17.9 to 16.1
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	90	250	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	91	49	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	ND (32)	ND (36)	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	ND (1.1)	1.4	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	4.6	6.3	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	50	130	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	ND (0.33)	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	1.3	2.4	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	20	22	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	69	270	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	0.29	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	12	18	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	5.9	7.6	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	ND (1.1)	ND (1.2)	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	ND (5.5)	ND (6.2)	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	20	23	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	84	340	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	1.9	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	1
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	0.32	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	0.3
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.064)	ND (0.06)	ND (0.066)	ND (0.043)	-	ND (0.051)	ND (0.05)	ND (0.053)	ND (0.056)	ND (0.054)	ND (0.053)	ND (0.055)	ND (0.051)	ND (0.058)	ND (0.054)	ND (0.055)	ND (0.046)
SUM of PCBs	ND	ND	ND	ND	2.22	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	7.4	7.4	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.1)	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				P15														
Location Name	P14A	P14A	P14A	P15	P15	P15	P15	P15	P15	P15	P15	P15	P15	P15	P16	P16	P16	P16
Sample Name	P14a_S2_4-8	P14a_S2_4.4-5.4	P14a_S3_8-13	P15_S1_0.8-3.1	P15_S11_3.7-8.4	P15_S2_4.4-8.4	P15_S3_8.4-10.4	P15_S4_10.4-12.4	P15_S5_12.4-14.4	P15_S6_14.4-16.4	P15_S7_16.4-18.4	P15_S8_18.4-20.4	P15_S9_20.4-22.4	P15_S10_22.4-24.4	P16_S1_0.6-6.6	P16_S2_6.6-8.6	P16_S7_6.6-16.6	P16_S3_8.6-10.6
Sample Date	01/05/2011	01/05/2011	01/05/2011	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010
					134117-50													
	138980-26		138980-27	134117-44	134117-55												134015-43	
	138980-32		138980-33	134117-54	134117-64										134015-40		134015-50	
	138980-36		138980-37	134117-63	134331-5										134015-52		134015-60	
Lab Sample ID	139157-2	138980-18	139157-7	134331-1	134331-8	134117-11	134117-12	134117-13	134117-14	134117-15	134117-16	134117-17	134117-18	134117-19	134015-62	134015-22	134218-6	134015-9
Sample Depth (bgs)	4 - 8 (ft)	4.4 - 5.4 (ft)	8 - 13 (ft)	0.8 - 3.1 (ft)	3.7 - 8.4 (ft)	4.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	0.6 - 6.6 (ft)	6.6 - 8.6 (ft)	6.6 - 16.6 (ft)	8.6 - 10.6 (ft)
Sample Elevation (ft BCB)	14.4 to 10.4	14 to 13	10.4 to 5.4	17.6 to 15.3	14.7 to 10	14 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	18 to 12	12 to 10	12 to 2	10 to 8
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,2,4-Trichlorobenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,2,4-Trimethylbenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,2-Dichlorobenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,3,5-Trichlorobenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,3,5-Trimethylbenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,3-Dichlorobenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
1,4-Dichlorobenzene	ND (0.005)	-	ND (0.0076)	0.015	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Acetone	ND (0.2)	-	ND (0.3)	ND (0.22)	ND (0.24)	-	-	-	-	-	-	-	-	-	ND (0.26)	-	ND (0.32)	-
Benzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Chlorobenzene	ND (0.005)	-	ND (0.0076)	0.01	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Chloroform (Trichloromethane)	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Cymene (p-Isopropyltoluene)	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Ethylbenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	0.01	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Isopropylbenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	0.006	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
m,p-Xylenes	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Methyl Tert Butyl Ether	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	0.018	-	0.012	-
Methylene chloride	ND (0.05)	-	ND (0.076)	ND (0.056)	ND (0.059)	-	-	-	-	-	-	-	-	-	ND (0.065)	-	ND (0.079)	-
Naphthalene	0.0089	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
n-Propylbenzene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
o-Xylene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Styrene	ND (0.005)	-	ND (0.0076)	ND (0.006)	0.007	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Tetrachloroethene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Toluene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
Trichloroethene	ND (0.005)	-	ND (0.0076)	ND (0.006)	ND (0.006)	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.008)	-
SUM of Volatile Organic Compounds	0.0089	-	ND	0.025	0.023	-	-	-	-	-	-	-	-	-	0.018	-	0.012	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
1,2-Dichlorobenzene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
1,3-Dichlorobenzene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
1,4-Dichlorobenzene	ND (0.42)	-	ND (0.43)	0.53	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2,4-Dimethylphenol	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2,4-Dinitrotoluene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2,6-Dinitrotoluene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2-Chloronaphthalene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2-Methylnaphthalene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
2-Methylphenol	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
3&4-Methylphenol	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Acenaphthene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Acenaphthylene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Acetophenone	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Aniline	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Anthracene	0.51	-	ND (0.43)	0.38	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Benzo(a)anthracene	0.82	-	ND (0.43)	0.88	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Benzo(a)pyrene	0.71	-	ND (0.43)	0.8	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Benzo(b)fluoranthene	0.97	-	ND (0.43)	1.1	1.9	-	-	-	-	-	-	-	-	-	0.35	-	ND (0.42)	-
Benzo(g,h,i)perylene	ND (0.42)	-	ND (0.43)	0.36	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Benzo(k)fluoranthene	ND (0.42)	-	ND (0.43)	0.37	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
bis(2-Ethylhexyl)phthalate	ND (0.42)	-	ND (0.43)	0.82	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Butyl benzylphthalate	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Carbazole	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Chrysene	0.82	-	ND (0.43)	0.88	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Dibenz(a,h)anthracene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Dibenzofuran	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Diethyl phthalate	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Di-n-butylphthalate	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Di-n-octyl phthalate	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Fluoranthene	2.2	-	ND (0.43)	1.9	3.3	-	-	-	-	-	-	-	-	-	0.64	-	ND (0.42)	-
Fluorene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Indeno(1,2,3-cd)pyrene	ND (0.42)	-	ND (0.43)	0.4	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Isophorone	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Naphthalene	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
N-Nitrosodiphenylamine	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Phenanthrene	1.6	-	ND (0.43)	1.4	ND (1.9)	-	-	-	-	-	-	-	-	-	0.59	-	ND (0.42)	-
Phenol	ND (0.42)	-	ND (0.43)	ND (0.36)	ND (1.9)	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-
Pyrene	1.6	-	ND (0.43)	1.7	2.4	-	-	-	-	-	-	-	-	-	0.55	-	ND (0.42)	-
SUM of Semi-Volatile Organic Compounds	9.23	-	ND	11.52	7.6	-	-	-	-	-	-	-	-	-	2.13	-	ND	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				P15														
Location Name	P14A	P14A	P14A	P15	P15	P15	P15	P15	P15	P15	P15	P15	P15	P15	P16	P16	P16	P16
Sample Name	P14a_S2_4-8	P14a_S2_4.4-5.4	P14a_S3_8-13	P15_S1_0.8-3.1	P15_S11_3.7-8.4	P15_S2_4.4-8.4	P15_S3_8.4-10.4	P15_S4_10.4-12.4	P15_S5_12.4-14.4	P15_S6_14.4-16.4	P15_S7_16.4-18.4	P15_S8_18.4-20.4	P15_S9_20.4-22.4	P15_S10_22.4-24.4	P16_S1_0.6-6.6	P16_S2_6.6-8.6	P16_S7_6.6-16.6	P16_S3_8.6-10.6
Sample Date	01/05/2011	01/05/2011	01/05/2011	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/18/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010
					134117-50													
	138980-26		138980-27	134117-44	134117-55												134015-43	
	138980-32		138980-33	134117-54	134117-64										134015-40		134015-50	
	138980-36		138980-37	134117-63	134331-5										134015-52		134015-60	
Lab Sample ID	139157-2	138980-18	139157-7	134331-1	134331-8	134117-11	134117-12	134117-13	134117-14	134117-15	134117-16	134117-17	134117-18	134117-19	134015-62	134015-22	134218-6	134015-9
Sample Depth (bgs)	4 - 8 (ft)	4.4 - 5.4 (ft)	8 - 13 (ft)	0.8 - 3.1 (ft)	3.7 - 8.4 (ft)	4.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	0.6 - 6.6 (ft)	6.6 - 8.6 (ft)	6.6 - 16.6 (ft)	8.6 - 10.6 (ft)
Sample Elevation (ft BCB)	14.4 to 10.4	14 to 13	10.4 to 5.4	17.6 to 15.3	14.7 to 10	14 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	18 to 12	12 to 10	12 to 2	10 to 8
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	130	-	ND (27)	70	1400	-	-	-	-	-	-	-	-	-	71	-	ND (39)	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	75	-	ND (27)	68	1800	-	-	-	-	-	-	-	-	-	63	-	ND (39)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (25)	-	ND (27)	ND (32)	1900	-	-	-	-	-	-	-	-	-	ND (30)	-	ND (39)	-
Inorganic Compounds (mg/kg)																		
Antimony	4.8	-	4.1	2.4	6.4	-	-	-	-	-	-	-	-	-	1.3	-	1.4	-
Arsenic	7.6	-	ND (4.2)	ND (3.6)	6.6	-	-	-	-	-	-	-	-	-	ND (3)	-	ND (4)	-
Barium	150	-	69	40	120	-	-	-	-	-	-	-	-	-	37	-	56	-
Beryllium	ND (0.4)	-	ND (0.42)	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	-	-	ND (0.3)	-	ND (0.4)	-
Cadmium	3.2	-	1.4	1.6	5.2	-	-	-	-	-	-	-	-	-	1.2	-	1.5	-
Chromium	19	-	36	18	37	-	-	-	-	-	-	-	-	-	15	-	32	-
Chromium VI (Hexavalent)	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	990	-	33	140	1000	-	-	-	-	-	-	-	-	-	75	-	26	-
Mercury	3.1	-	0.079	0.15	1.1	-	-	-	-	-	-	-	-	-	0.054	-	0.15	-
Nickel	43	-	25	23	22	-	-	-	-	-	-	-	-	-	19	-	20	-
Selenium	ND (6.7)	-	ND (7)	6.1	ND (6)	-	-	-	-	-	-	-	-	-	ND (5)	-	ND (6.7)	-
Silver	ND (1.3)	-	ND (1.4)	ND (1.2)	ND (1.2)	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.3)	-
Thallium	ND (6.7)	-	ND (7)	ND (5.9)	ND (6)	-	-	-	-	-	-	-	-	-	ND (5)	-	ND (6.7)	-
Vanadium	41	-	54	26	40	-	-	-	-	-	-	-	-	-	22	-	38	-
Zinc	570	-	64	95	250	-	-	-	-	-	-	-	-	-	83	-	57	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2.9	-	-	ND (0.3)	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (0.05)	-	ND (0.043)	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
Aroclor-1221 (PCB-1221)	-	ND (0.05)	-	ND (0.043)	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
Aroclor-1232 (PCB-1232)	-	ND (0.05)	-	ND (0.043)	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
Aroclor-1242 (PCB-1242)	-	ND (0.05)	-	ND (0.043)	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
Aroclor-1248 (PCB-1248)	-	ND (0.05)	-	2.5 p	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	0.41	ND (0.054)	-	ND (0.051)
Aroclor-1254 (PCB-1254)	-	0.5	-	ND (0.043)	-	1.1	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
Aroclor-1260 (PCB-1260)	-	0.36	-	1.3	-	0.72	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	0.2	ND (0.054)	-	ND (0.051)
Aroclor-1262 (PCB-1262)	-	ND (0.05)	-	ND (0.043)	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
Aroclor-1268 (PCB-1268)	-	ND (0.05)	-	ND (0.043)	-	ND (0.056)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.064)	ND (0.062)	ND (0.091)	ND (0.04)	ND (0.054)	-	ND (0.051)
SUM of PCBs	-	0.86	-	3.8	-	1.82	ND	ND	ND	ND	ND	ND	ND	ND	0.61	ND	-	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	165 >	165 >	165 >	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	ND (50)	-	ND (50)	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	ND (100)	-	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	430	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	6.9	-	7	7.4	7.4	-	-	-	-	-	-	-	-	-	7.7	-	7.4	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	7.3	-	ND (1.7)	ND (1.7)	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.3)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.6)	-	ND (1.7)	5.1	5.1	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.3)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	3.4	-	ND (1.7)	2.8	2.8	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (1.3)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P16						P17											
Location Name	P16	P16	P16	P16	P16	P16	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17
Sample Name	P16_S4_10.6-12.6	P16_S5_12.6-14.6	P16_S6_14.6-16.6	P16_S8_16.6-18.6	P16_S9_18.6-20.6	P16_S10_20.6-22.6	P17_S1_0.6-2.3	P17_S2_2.6-4.6	P17_S4_2.6-6.6	P17_S3_4.6-6.6	P17_S5_6.6-8.6	P17_S6_8.6-10.6	P17_S7_10.6-12.6	P17_S8_12.6-14.6	P17_S9_14.6-16.6	P17_S10_16.6-18.6	P17_S11_18.6-20.6	P17_S12_20.6-22.6
Sample Date	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	134015-10	134015-11	134015-12	134015-13	134015-14	134015-15	134530-26 134530-51 134530-59	134530-27	134530-29 134530-52 134530-60	134530-28	134530-30	134530-31	134530-32	134530-33	134530-34	134530-35	134530-36	134530-37
Sample Depth (bgs)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	0.6 - 2.3 (ft)	2.6 - 4.6 (ft)	2.6 - 6.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18 to 16.3	16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	ND (0.24)	-	ND (0.43)	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	ND (0.06)	-	ND (0.11)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	ND (0.006)	-	ND (0.011)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	0.91	-	0.6	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	0.8	-	0.56	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	1	-	0.71	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	0.41	-	ND (0.34)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	0.93	-	0.61	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	1.7	-	1.2	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	0.38	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	1.2	-	1	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	1.5	-	1	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	8.83	-	5.68	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P16						P17											
Location Name	P16	P16	P16	P16	P16	P16	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17	P17
Sample Name	P16_S4_10.6-12.6	P16_S5_12.6-14.6	P16_S6_14.6-16.6	P16_S8_16.6-18.6	P16_S9_18.6-20.6	P16_S10_20.6-22.6	P17_S1_0.6-2.3	P17_S2_2.6-4.6	P17_S4_2.6-6.6	P17_S3_4.6-6.6	P17_S5_6.6-8.6	P17_S6_8.6-10.6	P17_S7_10.6-12.6	P17_S8_12.6-14.6	P17_S9_14.6-16.6	P17_S10_16.6-18.6	P17_S11_18.6-20.6	P17_S12_20.6-22.6
Sample Date	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010
Lab Sample ID	134015-10	134015-11	134015-12	134015-13	134015-14	134015-15	134530-26 134530-51 134530-59	134530-27	134530-29 134530-52 134530-60	134530-28	134530-30	134530-31	134530-32	134530-33	134530-34	134530-35	134530-36	134530-37
Sample Depth (bgs)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)	0.6 - 2.3 (ft)	2.6 - 4.6 (ft)	2.6 - 6.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	8.6 - 10.6 (ft)	10.6 - 12.6 (ft)	12.6 - 14.6 (ft)	14.6 - 16.6 (ft)	16.6 - 18.6 (ft)	18.6 - 20.6 (ft)	20.6 - 22.6 (ft)
Sample Elevation (ft BCB)	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	18 to 16.3	16 to 14	16 to 12	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	110	-	60	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	160	-	67	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	ND (32)	-	ND (30)	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	ND (1.1)	-	3.4	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	ND (3.4)	-	ND (3.1)	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	31	-	34	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	ND (0.34)	-	ND (0.31)	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	0.79	-	1.1	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	13	-	17	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	37	-	48	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	0.28	-	0.15	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	7.5	-	13	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	ND (5.6)	-	ND (5.1)	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	ND (1.1)	-	ND (1)	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	ND (5.6)	-	ND (5.1)	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	14	-	19	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	53	-	62	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1221 (PCB-1221)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1232 (PCB-1232)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1242 (PCB-1242)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1248 (PCB-1248)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	0.73	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1254 (PCB-1254)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	0.093	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1260 (PCB-1260)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	0.2	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1262 (PCB-1262)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
Aroclor-1268 (PCB-1268)	ND (0.053)	ND (0.052)	ND (0.053)	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.043)	ND (0.043)	-	ND (0.051)	ND (0.044)	ND (0.058)	ND (0.051)	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	ND (0.063)
SUM of PCBs	ND	ND	ND	ND	ND	ND	0.93	ND	-	0.093	ND	ND	ND	ND	ND	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	7.8	-	7.6	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	ND (1.3)	-	ND (1.5)	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P18												P5						
Location Name	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P5	P5	P5	P5	P6	P6	P6
Sample Name	P18_S1_0.5-2.5	P18_S2_2.5-4.5	P18_S7_2.5-12.5	P18_S3_4.5-6.5	P18_S4_6.5-8.5	P18_S5_8.5-10.5	P18_S6_10.5-12.5	P18_S8_12.5-14.5	P18_S9_14.5-16.5	P18_S10_16.5-18.5	P18_S11_18.5-20.5	P18_S12_20.5-22.5	P5_S1_0-0.8	P5_S2_0.8-2.8	P5_S3_2.8-4.8	P5_S4_4.8-6.8	P6_S1_1-6	P6_S2_6-7	P6_S7_6-16
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/04/2011	01/04/2011	01/04/2011
Lab Sample ID	134053-51 134053-60 134053-69	134053-1	134053-56 134053-61 134053-70	134053-2	134053-3	134053-4	134053-5	134053-6	134053-7	134053-8	134053-9	134053-10	15K1157-01	15K1157-02	15K1157-03	15K1157-04	138940-26 138940-40 138940-50	138940-1	138940-28 138940-41 138940-51 139113-4
Sample Depth (bgs)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	2.5 - 12.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1 - 6 (ft)	6 - 7 (ft)	6 - 16 (ft)
Sample Elevation (ft BCB)	18 to 16	16 to 14	16 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 16	16 to 14	14 to 12	12 to 10	16 to 11	11 to 10	11 to 1
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,2,4-Trichlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,2,4-Trimethylbenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,2-Dichlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,3,5-Trichlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,3,5-Trimethylbenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,3-Dichlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
1,4-Dichlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Acetone	ND (0.35)	-	ND (0.34)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.24)
Benzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Chlorobenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Chloroform (Trichloromethane)	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Cymene (p-Isopropyltoluene)	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Ethylbenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Isopropylbenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
m,p-Xylenes	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Methyl Tert Butyl Ether	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Methylene chloride	ND (0.087)	-	ND (0.085)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-	ND (0.059)
Naphthalene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
n-Propylbenzene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
o-Xylene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Styrene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Tetrachloroethene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Toluene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
Trichloroethene	ND (0.009)	-	ND (0.008)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)
SUM of Volatile Organic Compounds	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
1,2-Dichlorobenzene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
1,3-Dichlorobenzene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
1,4-Dichlorobenzene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
2,4-Dimethylphenol	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
2,4-Dinitrotoluene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
2,6-Dinitrotoluene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
2-Chloronaphthalene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
2-Methylnaphthalene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
2-Methylphenol	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
3&4-Methylphenol	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Acenaphthene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	-	ND (0.4)
Acenaphthylene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Acetophenone	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Aniline	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Anthracene	0.65	-	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	ND (0.4)
Benzo(a)anthracene	1.7	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	ND (0.4)
Benzo(a)pyrene	1.5	-	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	ND (0.4)
Benzo(b)fluoranthene	1.9	-	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	ND (0.4)
Benzo(g,h,i)perylene	0.97	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	ND (0.4)
Benzo(k)fluoranthene	0.74	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.89	-	ND (0.4)
bis(2-Ethylhexyl)phthalate	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Butyl benzylphthalate	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Carbazole	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Chrysene	1.6	-	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-	ND (0.4)
Dibenz(a,h)anthracene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Dibenzofuran	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	ND (0.4)
Diethyl phthalate	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Di-n-butylphthalate	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Di-n-octyl phthalate	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Fluoranthene	3.4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	ND (0.4)
Fluorene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39	-	ND (0.4)
Indeno(1,2,3-cd)pyrene	1.1	-	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-	ND (0.4)
Isophorone	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Naphthalene	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	ND (0.4)
N-Nitrosodiphenylamine	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Phenanthrene	2.4	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	ND (0.4)
Phenol	ND (0.38)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.4)
Pyrene	3	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	ND (0.4)
SUM of Semi-Volatile Organic Compounds	18.96	-	9.83	-	-	-	-	-	-	-	-	-	-	-	-	-	25.33	-	ND

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P18												P5						
Location Name	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P5	P5	P5	P5	P6	P6	P6
Sample Name	P18_S1_0.5-2.5	P18_S2_2.5-4.5	P18_S7_2.5-12.5	P18_S3_4.5-6.5	P18_S4_6.5-8.5	P18_S5_8.5-10.5	P18_S6_10.5-12.5	P18_S8_12.5-14.5	P18_S9_14.5-16.5	P18_S10_16.5-18.5	P18_S11_18.5-20.5	P18_S12_20.5-22.5	P5_S1_0-0.8	P5_S2_0.8-2.8	P5_S3_2.8-4.8	P5_S4_4.8-6.8	P6_S1_1-6	P6_S2_6-7	P6_S7_6-16
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/04/2011	01/04/2011	01/04/2011
Lab Sample ID	134053-51 134053-60 134053-69	134053-1	134053-56 134053-61 134053-70	134053-2	134053-3	134053-4	134053-5	134053-6	134053-7	134053-8	134053-9	134053-10	15K1157-01	15K1157-02	15K1157-03	15K1157-04	138940-26 138940-40 138940-50	138940-1	138940-28 138940-41 138940-51 139113-4
Sample Depth (bgs)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	2.5 - 12.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	0 - 0.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	1 - 6 (ft)	6 - 7 (ft)	6 - 16 (ft)
Sample Elevation (ft BCB)	18 to 16	16 to 14	16 to 6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	16.8 to 16	16 to 14	14 to 12	12 to 10	16 to 11	11 to 10	11 to 1
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	130	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	ND (24)
MADEP C19-C36 ALIPHATIC HYDROCARBONS	83	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	32
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (36)	-	ND (39)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-	ND (24)
Inorganic Compounds (mg/kg)																			
Antimony	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	5.8
Arsenic	ND (3.6)	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.4)	-	ND (3.7)
Barium	96	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	67
Beryllium	ND (0.36)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.37)
Cadmium	1.1	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1.5
Chromium	16	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	39
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
Lead	54	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-	18
Mercury	0.29	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	-	0.092
Nickel	17	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	26
Selenium	ND (5.9)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6.1)
Silver	ND (1.2)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)
Thallium	ND (5.9)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (6.1)
Vanadium	22	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	59
Zinc	72	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	64
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)	-
Aroclor-1221 (PCB-1221)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)	-
Aroclor-1232 (PCB-1232)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)	-
Aroclor-1242 (PCB-1242)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)	-
Aroclor-1248 (PCB-1248)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	0.31	0.12	0.13	ND (0.11)	ND (0.044)	ND (0.051)	-
Aroclor-1254 (PCB-1254)	0.22	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	0.3	0.13	0.43	ND (0.11)	0.14	ND (0.051)	-
Aroclor-1260 (PCB-1260)	0.11	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	0.36	ND (0.11)	0.087	ND (0.051)	-
Aroclor-1262 (PCB-1262)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)	-
Aroclor-1268 (PCB-1268)	ND (0.047)	ND (0.049)	-	ND (0.048)	ND (0.057)	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.054)	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.051)	-
SUM of PCBs	0.33	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61	0.25	0.92	ND	0.227	ND	-
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	91.6	86.6	91.7	93	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >
Reactive Cyanide (mg/kg)	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)
Reactive Sulfide (mg/kg)	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	410
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	10	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	6.9
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.9)	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	ND (1.6)
MADEP C9-C10 AROMATIC HYDROCARBONS	6.6	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	6.8	-	ND (1.9)	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	ND (1.6)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P6											P7				P8						
Location Name	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P7	P7	P7	P7	P8	P8	P8	P8	P9	P9	P9
Sample Name	P6_S3_7-9	P6_S4_9-11	P6_S5_11-13	P6_S6_13-15	P6_S8_15-17	P6_S9_17-19	X6_S9_17-19	P6_S10_19-21	P6_S11_21-23	P6_S12_23-25	P6_S13_25-27	P7_S1_0.0-1.4	P7_S2_1.4-3.4	P7_S3_3.4-5.4	P7_S4_5.4-7.4	P8_S1_0.7-1.7	P8_S2_1.7-3.7	P8_S3_3.7-5.7	P8_S4_5.7-7.7	P9_S1_0.7-3.5	P9_S2_3.8-5.8	P9_S7_3.8-9.5
Sample Date	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	138940-2	138940-3	138940-4	138940-5	138940-6	138940-7	138940-12	138940-8	138940-9	138940-10	138940-11	15K1069-05	15K1069-06	15K1069-07	15K1069-08	15K1068-07	15K1068-08	15K1068-09	15K1068-10	133973-21 133973-49 133973-56 134179-1	133973-22	133973-27 133973-50 133973-57
Sample Depth (bgs)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 27 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.7 - 3.5 (ft)	3.8 - 5.8 (ft)	3.8 - 9.5 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 14.3	14 to 12	14 to 8.3
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.22)	-	ND (0.22)
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.056)	-	ND (0.055)
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-	ND (0.006)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.006)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-	ND
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68	-	ND (0.35)
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.57
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	0.52
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	0.68
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76	-	ND (0.35)
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	-	ND (0.35)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	-	0.35
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.66
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1.1
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.82	-	ND (0.35)
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	-	ND (0.35)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	0.8
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	1.1
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.05	-	5.78

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P6											P7				P8						
Location Name	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P6	P7	P7	P7	P7	P8	P8	P8	P8	P9	P9	P9
Sample Name	P6_S3_7-9	P6_S4_9-11	P6_S5_11-13	P6_S6_13-15	P6_S8_15-17	P6_S9_17-19	X6_S9_17-19	P6_S10_19-21	P6_S11_21-23	P6_S12_23-25	P6_S13_25-27	P7_S1_0.0-1.4	P7_S2_1.4-3.4	P7_S3_3.4-5.4	P7_S4_5.4-7.4	P8_S1_0.7-1.7	P8_S2_1.7-3.7	P8_S3_3.7-5.7	P8_S4_5.7-7.7	P9_S1_0.7-3.5	P9_S2_3.8-5.8	P9_S7_3.8-9.5
Sample Date	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	138940-2	138940-3	138940-4	138940-5	138940-6	138940-7	138940-12	138940-8	138940-9	138940-10	138940-11	15K1069-05	15K1069-06	15K1069-07	15K1069-08	15K1068-07	15K1068-08	15K1068-09	15K1068-10	133973-21 133973-49 133973-56 134179-1	133973-22	133973-27 133973-50 133973-57
Sample Depth (bgs)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	17 - 19 (ft)	17 - 19 (ft)	19 - 21 (ft)	21 - 23 (ft)	23 - 25 (ft)	25 - 27 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.7 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.7 - 3.5 (ft)	3.8 - 5.8 (ft)	3.8 - 9.5 (ft)
Sample Elevation (ft BCB)	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 14.3	14 to 12	14 to 8.3
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	69
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96	-	51
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (33)	-	ND (31)
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	1.9
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	11
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	64
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	1.2
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	25
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	83
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42	-	0.52
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	23
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	ND (5.3)
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (5.3)
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	23
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	76
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
Aroclor-1221 (PCB-1221)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
Aroclor-1232 (PCB-1232)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
Aroclor-1242 (PCB-1242)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	0.35	ND (0.041)	-
Aroclor-1248 (PCB-1248)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.43	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
Aroclor-1254 (PCB-1254)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.3	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
Aroclor-1260 (PCB-1260)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.13	ND (0.11)	ND (0.11)	0.15	0.69	-
Aroclor-1262 (PCB-1262)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
Aroclor-1268 (PCB-1268)	ND (0.05)	ND (0.052)	ND (0.054)	ND (0.058)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.049)	ND (0.05)	ND (0.058)	ND (0.06)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.044)	ND (0.041)	-
SUM of PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86	ND	ND	0.5	0.69	-
Other																						
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	94.4	91.9	85.4	85.5	91.5	89	93.9	89.4	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	6.8
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	-	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P9										Q10								
Location Name	P9	P9	P9	P9	P9	P9	P9	P9	P9	P9	Q10	Q10	Q10	Q10	Q10	Q10	Q10	Q10	Q10
Sample Name	P9_S3_5.8-7.8	P9_S4_7.8-9.8	P9_S5_9.8-11.8	P9_S6_11.8-13.8	P9_S8_13.8-15.8	P9_S9_15.8-17.8	P9_S10_17.8-19.8	P9_S11_19.8-21.8	P9_S12_21.8-23.5	P9_S13_23.5-23.8	Q10_S1_1-3	Q10_S2_3.5-4.5	Q10_S5_3.5-9.3	Q10_S3_5.5-7.5	Q10_S4_7.5-9.5	Q10_S6_9.5-11.5	Q10_S7_11.5-13.5	Q10_S8_13.5-15.5	Q10_S9_15.5-17.5
Sample Date	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
Lab Sample ID	133973-23	133973-24	133973-25	133973-26	133973-28	133973-29	133973-30	133973-31	133973-32	133973-33	134015-42 134015-55 134015-65	134015-34	134015-46 134015-56 134015-66	134015-35	134015-36	134053-33	134053-34	134053-35	134053-36
Sample Depth (bgs)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.5 (ft)	23.5 - 23.8 (ft)	1 - 3 (ft)	3.5 - 4.5 (ft)	3.5 - 9.3 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.7	-5.7 to -6	16.6 to 14.6	14.1 to 13.1	14.1 to 8.3	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.26)	-	ND (0.2)	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	ND (0.065)	-	ND (0.05)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	0.74	-	ND (0.35)	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	0.71	-	ND (0.35)	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	0.89	-	ND (0.35)	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	0.46	-	0.41	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	0.76	-	ND (0.35)	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	1.3	-	ND (0.35)	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	0.44	-	ND (0.35)	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	0.95	-	ND (0.35)	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.37)	-	ND (0.35)	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	1.2	-	ND (0.35)	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	7.45	-	0.41	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	P9										Q10								
Location Name	P9	P9	P9	P9	P9	P9	P9	P9	P9	P9	Q10	Q10	Q10	Q10	Q10	Q10	Q10	Q10	Q10
Sample Name	P9_S3_5.8-7.8	P9_S4_7.8-9.8	P9_S5_9.8-11.8	P9_S6_11.8-13.8	P9_S8_13.8-15.8	P9_S9_15.8-17.8	P9_S10_17.8-19.8	P9_S11_19.8-21.8	P9_S12_21.8-23.5	P9_S13_23.5-23.8	Q10_S1_1-3	Q10_S2_3.5-4.5	Q10_S5_3.5-9.3	Q10_S3_5.5-7.5	Q10_S4_7.5-9.5	Q10_S6_9.5-11.5	Q10_S7_11.5-13.5	Q10_S8_13.5-15.5	Q10_S9_15.5-17.5
Sample Date	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
Lab Sample ID	133973-23	133973-24	133973-25	133973-26	133973-28	133973-29	133973-30	133973-31	133973-32	133973-33	134015-42 134015-55 134015-65	134015-34	134015-46 134015-56 134015-66	134015-35	134015-36	134053-33	134053-34	134053-35	134053-36
Sample Depth (bgs)	5.8 - 7.8 (ft)	7.8 - 9.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)	13.8 - 15.8 (ft)	15.8 - 17.8 (ft)	17.8 - 19.8 (ft)	19.8 - 21.8 (ft)	21.8 - 23.5 (ft)	23.5 - 23.8 (ft)	1 - 3 (ft)	3.5 - 4.5 (ft)	3.5 - 9.3 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)
Sample Elevation (ft BCB)	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -5.7	-5.7 to -6	16.6 to 14.6	14.1 to 13.1	14.1 to 8.3	12.1 to 10.1	10.1 to 8.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	2.1 to 0.1
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	87	-	33	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	110	-	38	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (33)	-	ND (32)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	3.7	-	ND (3.2)	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	61	-	18	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	1.4	-	0.61	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	22	-	13	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	83	-	6.1	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	0.57	-	ND (0.018)	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	15	-	8	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (5.3)	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (5.3)	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	29	-	9.8	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	88	-	45	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	1.9	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1260 (PCB-1260)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	0.43	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.058)	ND (0.051)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.058)	ND (0.055)	ND (0.05)	ND (0.055)	ND (0.044)	ND (0.042)	-	ND (0.043)	ND (0.049)	ND (0.05)	ND (0.052)	ND (0.051)	ND (0.053)
SUM of PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.33	ND	-	ND	ND	ND	ND	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	8	-	8.3	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	ND (1.1)	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					Q11					Q12									Q13
Location Name	Q10	Q10	Q10	Q10	Q11	Q11	Q11	Q11	Q11	Q12	Q12	Q12	Q12	Q13	Q13	Q13	Q13	Q13	Q13
Sample Name	Q10_S10_17.5-19.5	Q10_S11_19.5-21.5	Q10_S12_21.5-22.5	Q10_S13_22.5-23.5	Q11_S1_0.2-5.7	Q11_S2_0.2-1.7	Q11_S3_1.7-3.7	Q11_S4_3.7-5.7	Q11_S5_5.7-7.7	Q12_S1_2.0-5.7	Q12_S2_2.0-3.7	Q12_S3_3.7-5.7	Q12_S4_5.7-7.7	Q13_S1_0.5-6.5	Q13_S2_6.5-8.0	Q13_S7_6.5-16.0	Q13_S3_8.0-10.0	Q13_S4_10.0-12.0	Q13_S5_12.0-14.0
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	134053-37	134053-38	134053-39	134053-40	15B0268-01 15D0957-01	15B0268-02	15B0268-03	15B0625-01	15B0625-02	15C0027-01	15C0027-02	15C0027-03	15C0027-04	133973-1 133973-46 133973-53	133973-2	133973-47 133973-54 133973-7	133973-3	133973-4	133973-5
Sample Depth (bgs)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 22.5 (ft)	22.5 - 23.5 (ft)	0.2 - 5.7 (ft)	0.2 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	2 - 5.7 (ft)	2 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.5 - 6.5 (ft)	6.5 - 8 (ft)	6.5 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)	0.1 to -1.9	-1.9 to -3.9	-3.9 to -4.9	-4.9 to -5.9	17.5 to 12	17.5 to 16	16 to 14	14 to 12	12 to 10	15.7 to 12	15.7 to 14	14 to 12	12 to 10	17.4 to 11.4	11.4 to 9.9	11.4 to 1.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Acetone	-	-	-	-	ND (0.079)	-	-	-	-	ND (0.088)	-	-	-	ND (0.2)	-	ND (0.2)	-	-	-
Benzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Chlorobenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Ethylbenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Isopropylbenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
m,p-Xylenes	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	ND (0.0032)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Methylene chloride	-	-	-	-	ND (0.0079)	-	-	-	-	ND (0.0088)	-	-	-	ND (0.05)	-	ND (0.05)	-	-	-
Naphthalene	-	-	-	-	ND (0.0079)	-	-	-	-	ND (0.0035)	-	-	-	ND (0.005)	-	0.017	-	-	-
n-Propylbenzene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
o-Xylene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Styrene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Tetrachloroethene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Toluene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
Trichloroethene	-	-	-	-	ND (0.0016)	-	-	-	-	ND (0.0018)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	ND	-	-	-	-	ND	-	-	-	ND	-	0.017	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
2,4-Dimethylphenol	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
2,4-Dinitrotoluene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
2,6-Dinitrotoluene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
2-Chloronaphthalene	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
2-Methylnaphthalene	-	-	-	-	ND (0.75)	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
2-Methylphenol	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
3&4-Methylphenol	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Acenaphthene	-	-	-	-	1	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Acenaphthylene	-	-	-	-	ND (0.75)	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Acetophenone	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Aniline	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Anthracene	-	-	-	-	1.2	-	-	-	-	0.28	-	-	-	ND (0.35)	-	0.67	-	-	-
Benzo(a)anthracene	-	-	-	-	3.2	-	-	-	-	0.85	-	-	-	0.42	-	1.4	-	-	-
Benzo(a)pyrene	-	-	-	-	3	-	-	-	-	0.83	-	-	-	0.39	-	1.1	-	-	-
Benzo(b)fluoranthene	-	-	-	-	3.7	-	-	-	-	1.3	-	-	-	0.61	-	1.3	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	1.6	-	-	-	-	0.6	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Benzo(k)fluoranthene	-	-	-	-	1.5	-	-	-	-	0.53	-	-	-	ND (0.35)	-	0.54	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Chrysene	-	-	-	-	3.4	-	-	-	-	0.93	-	-	-	0.45	-	1.2	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	ND (0.75)	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Dibenzofuran	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Diethyl phthalate	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Di-n-butylphthalate	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Di-n-octyl phthalate	-	-	-	-	ND (3)	-	-	-	-	ND (0.79)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Fluoranthene	-	-	-	-	7.7	-	-	-	-	1.5	-	-	-	0.8	-	2.2	-	-	-
Fluorene	-	-	-	-	0.92	-	-	-	-	ND (0.2)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	1.8	-	-	-	-	0.78	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Isophorone	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Naphthalene	-	-	-	-	1.5	-	-	-	-	0.2	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Phenanthrene	-	-	-	-	6.5	-	-	-	-	1.1	-	-	-	0.52	-	0.68	-	-	-
Phenol	-	-	-	-	ND (1.5)	-	-	-	-	ND (0.4)	-	-	-	ND (0.35)	-	ND (0.47)	-	-	-
Pyrene	-	-	-	-	7.7	-	-	-	-	1.2	-	-	-	0.69	-	2	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	44.72	-	-	-	-	10.1	-	-	-	3.88	-	11.09	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					Q11					Q12									Q13
Location Name	Q10	Q10	Q10	Q10	Q11	Q11	Q11	Q11	Q11	Q12	Q12	Q12	Q12	Q13	Q13	Q13	Q13	Q13	Q13
Sample Name	Q10_S10_17.5-19.5	Q10_S11_19.5-21.5	Q10_S12_21.5-22.5	Q10_S13_22.5-23.5	Q11_S1_0.2-5.7	Q11_S2_0.2-1.7	Q11_S3_1.7-3.7	Q11_S4_3.7-5.7	Q11_S5_5.7-7.7	Q12_S1_2.0-5.7	Q12_S2_2.0-3.7	Q12_S3_3.7-5.7	Q12_S4_5.7-7.7	Q13_S1_0.5-6.5	Q13_S2_6.5-8.0	Q13_S7_6.5-16.0	Q13_S3_8.0-10.0	Q13_S4_10.0-12.0	Q13_S5_12.0-14.0
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	134053-37	134053-38	134053-39	134053-40	15B0268-01 15D0957-01	15B0268-02	15B0268-03	15B0625-01	15B0625-02	15C0027-01	15C0027-02	15C0027-03	15C0027-04	133973-1 133973-46 133973-53	133973-2	133973-47 133973-54 133973-7	133973-3	133973-4	133973-5
Sample Depth (bgs)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 22.5 (ft)	22.5 - 23.5 (ft)	0.2 - 5.7 (ft)	0.2 - 1.7 (ft)	1.7 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	2 - 5.7 (ft)	2 - 3.7 (ft)	3.7 - 5.7 (ft)	5.7 - 7.7 (ft)	0.5 - 6.5 (ft)	6.5 - 8 (ft)	6.5 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)	0.1 to -1.9	-1.9 to -3.9	-3.9 to -4.9	-4.9 to -5.9	17.5 to 12	17.5 to 16	16 to 14	14 to 12	12 to 10	15.7 to 12	15.7 to 14	14 to 12	12 to 10	17.4 to 11.4	11.4 to 9.9	11.4 to 1.9	9.9 to 7.9	7.9 to 5.9	5.9 to 3.9
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	1100	-	-	-	-	240	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	150	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	430	-	130	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	310	-	89	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-
Arsenic	-	-	-	-	3.8	-	-	-	-	6.2	-	-	-	ND (3.2)	-	3.9	-	-	-
Barium	-	-	-	-	55	-	-	-	-	39	-	-	-	43	-	53	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.32)	-	ND (0.37)	-	-	-
Cadmium	-	-	-	-	1.2	-	-	-	-	0.52	-	-	-	0.66	-	1.2	-	-	-
Chromium	-	-	-	-	20	-	-	-	-	8.6	-	-	-	15	-	30	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	1100	-	-	-	-	33	-	-	-	44	-	31	-	-	-
Mercury	-	-	-	-	0.31	-	-	-	-	0.037	-	-	-	0.18	-	0.8	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	20	-	-	-
Selenium	-	-	-	-	ND (5.4)	-	-	-	-	ND (5.8)	-	-	-	ND (5.3)	-	ND (6.1)	-	-	-
Silver	-	-	-	-	ND (0.54)	-	-	-	-	ND (0.58)	-	-	-	ND (1.1)	-	ND (1.2)	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.3)	-	ND (6.1)	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	40	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	60	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1221 (PCB-1221)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1232 (PCB-1232)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1242 (PCB-1242)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1248 (PCB-1248)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	0.6	45	85	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1254 (PCB-1254)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	0.52	63	120	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	1.3	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1260 (PCB-1260)	0.53	ND (0.063)	ND (0.054)	ND (0.1)	-	0.31	13	33	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	1	0.19	-	4.2	ND (0.062)	0.06
Aroclor-1262 (PCB-1262)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
Aroclor-1268 (PCB-1268)	ND (0.047)	ND (0.063)	ND (0.054)	ND (0.1)	-	ND (0.11)	ND (11)	ND (21)	ND (0.11)	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.42)	ND (0.048)	-	ND (0.057)	ND (0.062)	ND (0.046)
SUM of PCBs	0.53	ND	ND	ND	-	1.43	121	238	ND	-	ND	ND	ND	2.3	0.19	-	4.2	ND	0.06
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	90.8	88.7	91.3	90.8	88.7	84.8	83.4	83.8	82	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	ND (4)	-	-	-	-	ND (3.9)	-	-	-	ND (50)	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	ND (20)	-	-	-	-	ND (19)	-	-	-	ND (100)	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	53	-	-	-	-	49	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	NI	-	-	-	-	NI	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	8.5	-	-	-	-	6.5	-	-	-	7.1	-	7.8	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (2.2)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	2.7	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	ND (2.2)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						Q14									Q15					
Location Name	Q13	Q13	Q13	Q13	Q13	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q15	Q15	Q15	Q15	Q15	Q15
Sample Name	Q13_S6_14.0-16.0	Q13_S8_16.0-18.0	Q13_S9_18.0-20.0	Q13_S10_20.0-22.0	Q13_S11_22-24	Q14_S1_0.5-8.0	Q14_S2_8.0-10.0	Q14_S7_8-18	Q14_S3_10-12	Q14_S4_12-14	Q14_S5_14-16	Q14_S6_16-18	Q14_S8_18-20	Q14_S9_20-22	Q15_S1_0.5-7.5	Q15_S2_8-10	Q15_S7_8-18	Q15_S3_10-12	Q15_S4_12-14	Q15_S5_14-16
Sample Date	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
								134015-44												
								134015-51							134015-37		134053-57			
						133973-12		134015-61							134015-47		134053-63			
						133973-48		134218-3							134015-57		134053-72			
Lab Sample ID	133973-6	133973-8	133973-9	133973-10	133973-11	133973-55	133973-13	134218-7	134015-16	134015-17	134015-18	134015-19	134015-20	134015-21	134218-1	134053-13	134263-3	134053-14	134053-15	134053-16
Sample Depth (bgs)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 8 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.5 - 7.5 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -4.1	-4.1 to -6.1	17.4 to 9.9	9.9 to 7.9	9.9 to -0.1	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -4.1	17.5 to 10.5	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Acetone	-	-	-	-	-	ND (0.21)	-	ND (0.33)	-	-	-	-	-	-	ND (0.2)	-	ND (0.24)	-	-	-
Benzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Chlorobenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	0.005	-	ND (0.006)	-	-	-
Ethylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Isopropylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
m,p-Xylenes	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Methylene chloride	-	-	-	-	-	ND (0.053)	-	ND (0.082)	-	-	-	-	-	-	ND (0.05)	-	ND (0.059)	-	-	-
Naphthalene	-	-	-	-	-	ND (0.005)	-	0.027	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
n-Propylbenzene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
o-Xylene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Styrene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Tetrachloroethene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Toluene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
Trichloroethene	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	0.027	-	-	-	-	-	-	0.005	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
2-Methylnaphthalene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
2-Methylphenol	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
3&4-Methylphenol	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Acenaphthene	-	-	-	-	-	ND (0.35)	-	0.46	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Acenaphthylene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Acetophenone	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Aniline	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Anthracene	-	-	-	-	-	ND (0.35)	-	2.1	-	-	-	-	-	-	ND (0.38)	-	1.5	-	-	-
Benzo(a)anthracene	-	-	-	-	-	ND (0.35)	-	2.4	-	-	-	-	-	-	ND (0.38)	-	1.3	-	-	-
Benzo(a)pyrene	-	-	-	-	-	ND (0.35)	-	1.9	-	-	-	-	-	-	ND (0.38)	-	1.1	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	ND (0.35)	-	2	-	-	-	-	-	-	0.42	-	1.1	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	ND (0.35)	-	0.97	-	-	-	-	-	-	ND (0.38)	-	0.52	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	ND (0.35)	-	0.74	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Carbazole	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Chrysene	-	-	-	-	-	ND (0.35)	-	2.2	-	-	-	-	-	-	ND (0.38)	-	1.2	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Dibenzofuran	-	-	-	-	-	ND (0.35)	-	0.46	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Fluoranthene	-	-	-	-	-	ND (0.35)	-	4.4	-	-	-	-	-	-	0.69	-	2.8	-	-	-
Fluorene	-	-	-	-	-	ND (0.35)	-	0.89	-	-	-	-	-	-	ND (0.38)	-	0.47	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	ND (0.35)	-	1.2	-	-	-	-	-	-	ND (0.38)	-	0.61	-	-	-
Isophorone	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Naphthalene	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Phenanthrene	-	-	-	-	-	ND (0.35)	-	5.1	-	-	-	-	-	-	ND (0.38)	-	2.1	-	-	-
Phenol	-	-	-	-	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	-	ND (0.38)	-	ND (0.45)	-	-	-
Pyrene	-	-	-	-	-	ND (0.35)	-	4	-	-	-	-	-	-	1.1	-	2.4	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	ND	-	28.82	-	-	-	-	-	-	2.21	-	15.1	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						Q14									Q15					
Location Name	Q13	Q13	Q13	Q13	Q13	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q14	Q15	Q15	Q15	Q15	Q15	Q15
Sample Name	Q13_S6_14.0-16.0	Q13_S8_16.0-18.0	Q13_S9_18.0-20.0	Q13_S10_20.0-22.0	Q13_S11_22-24	Q14_S1_0.5-8.0	Q14_S2_8.0-10.0	Q14_S7_8-18	Q14_S3_10-12	Q14_S4_12-14	Q14_S5_14-16	Q14_S6_16-18	Q14_S8_18-20	Q14_S9_20-22	Q15_S1_0.5-7.5	Q15_S2_8-10	Q15_S7_8-18	Q15_S3_10-12	Q15_S4_12-14	Q15_S5_14-16
Sample Date	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010
								134015-44												
								134015-51							134015-37		134053-57			
						133973-12		134015-61							134015-47		134053-63			
						133973-48		134218-3							134015-57		134053-72			
Lab Sample ID	133973-6	133973-8	133973-9	133973-10	133973-11	133973-55	133973-13	134218-7	134015-16	134015-17	134015-18	134015-19	134015-20	134015-21	134218-1	134053-13	134263-3	134053-14	134053-15	134053-16
Sample Depth (bgs)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 8 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	0.5 - 7.5 (ft)	8 - 10 (ft)	8 - 18 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Sample Elevation (ft BCB)	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -4.1	-4.1 to -6.1	17.4 to 9.9	9.9 to 7.9	9.9 to -0.1	7.9 to 5.9	5.9 to 3.9	3.9 to 1.9	1.9 to -0.1	-0.1 to -2.1	-2.1 to -4.1	17.5 to 10.5	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	460	-	150	-	-	-	-	-	-	870	-	100	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	870	-	ND (39)	-	-	-	-	-	-	920	-	ND (41)	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	680	-	ND (39)	-	-	-	-	-	-	760	-	ND (41)	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	ND (1.1)	-	1.7	-	-	-	-	-	-	1.3	-	ND (1.4)	-	-	-
Arsenic	-	-	-	-	-	ND (3.3)	-	6.5	-	-	-	-	-	-	ND (3.6)	-	5.2	-	-	-
Barium	-	-	-	-	-	43	-	110	-	-	-	-	-	-	79	-	56	-	-	-
Beryllium	-	-	-	-	-	ND (0.33)	-	ND (0.42)	-	-	-	-	-	-	ND (0.36)	-	ND (0.42)	-	-	-
Cadmium	-	-	-	-	-	0.84	-	1.8	-	-	-	-	-	-	2.7	-	1.5	-	-	-
Chromium	-	-	-	-	-	13	-	35	-	-	-	-	-	-	28	-	35	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Lead	-	-	-	-	-	40	-	410	-	-	-	-	-	-	330	-	11	-	-	-
Mercury	-	-	-	-	-	ND (0.019)	-	0.55	-	-	-	-	-	-	0.23	-	0.082	-	-	-
Nickel	-	-	-	-	-	11	-	22	-	-	-	-	-	-	28	-	20	-	-	-
Selenium	-	-	-	-	-	ND (5.5)	-	ND (8)	-	-	-	-	-	-	ND (7)	-	ND (7)	-	-	-
Silver	-	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	ND (1.2)	-	ND (1.4)	-	-	-
Thallium	-	-	-	-	-	ND (5.5)	-	ND (7)	-	-	-	-	-	-	ND (6)	-	ND (7)	-	-	-
Vanadium	-	-	-	-	-	24	-	45	-	-	-	-	-	-	48	-	41	-	-	-
Zinc	-	-	-	-	-	71	-	89	-	-	-	-	-	-	240	-	83	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	1	-	-	-	-	-	-	7.5	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	1.2	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1260 (PCB-1260)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	0.37	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	14	0.24	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.051)	ND (0.052)	ND (0.064)	ND (0.071)	ND (0.068)	ND (0.044)	ND (0.056)	-	ND (0.051)	ND (0.052)	ND (0.056)	ND (0.061)	ND (0.051)	ND (0.057)	ND (4.6)	ND (0.053)	-	ND (0.052)	ND (0.057)	ND (0.053)
SUM of PCBs	ND	ND	ND	ND	ND	1.57	ND	-	ND	ND	ND	ND	ND	ND	14	0.24	-	ND	ND	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	165 >	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	7	-	7.8	-	-	-	-	-	-	7.4	-	7.7	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.3)	-	ND (2)	-	-	-	-	-	-	1.4	-	ND (1.7)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	3.4	-	ND (2)	-	-	-	-	-	-	4.8	-	ND (1.7)	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	2	-	ND (2)	-	-	-	-	-	-	2.1	-	ND (1.7)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						Q16					Q17				Q5					Q	
Location Name	Q15	Q15	Q15	Q15	Q15	Q16	Q16	Q16	Q16	Q16	Q17	Q17	Q17	Q17	Q5	Q5	Q5	Q5	Q5	Q6	Q6
Sample Name	Q15_S6_16-18	Q15_S8_18-20	Q15_S9_20-22	Q15_S10_22-24	Q15_S11_24-26	Q16_S1_1.0-6.0	Q16_S2_1-2	Q16_S3_2-4	Q16_S4_4-6	Q16_S5_6-8	Q17_S1_1.1-2.1	Q17_S2_2.1-4.1	Q17_S3_4.1-6.1	Q17_S4_6.1-8.1	Q5_S1_0.4-4.4	Q5_S3_0.4-2.4	Q5_S4_2.4-4.4	Q5_S2_4.4-6.4	Q5_S5_4.4-6.4	Q6_S1_0.0-0.6'	Q6_S2_0.6-2.6'
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	02/26/2015	02/26/2015	02/26/2015	02/26/2015	02/26/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	11/18/2015	11/18/2015
Lab Sample ID	134053-17	134053-18	134053-19	134053-20	134053-21	15B0852-01 15C0186-01	15B0852-02	15B0852-03	15C0334-01	15C0334-02	15K0704-26	15K0704-27	15K0704-28	15K0704-29	15B0053-01	15B0053-03	15B0053-04	15B0053-02	15B0053-05	15K0837-05	15K0837-06
Sample Depth (bgs)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	16 to 12	16 to 14	14 to 12	12 to 10	12 to 10	16.6 to 16	16 to 14
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	ND (0.0031)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	ND (0.0031)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Acetone	-	-	-	-	-	ND (0.068)	-	-	-	-	-	-	-	-	ND (0.063)	-	-	ND (0.077)	-	-	-
Benzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Chlorobenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	ND (0.0031)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Ethylbenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Isopropylbenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
m,p-Xylenes	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	ND (0.0031)	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	ND (0.0025)	-	-	ND (0.0031)	-	-	-
Methylene chloride	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	-	-	ND (0.0063)	-	-	ND (0.0077)	-	-	-
Naphthalene	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	-	-	ND (0.0063)	-	-	ND (0.0077)	-	-	-
n-Propylbenzene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
o-Xylene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Styrene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Tetrachloroethene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Toluene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
Trichloroethene	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	ND (0.0013)	-	-	ND (0.0015)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	0.54	-	-	ND (0.43)	-	-	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
2-Methylnaphthalene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	0.58	-	-	-
2-Methylphenol	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
3&4-Methylphenol	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Acenaphthene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.21)	-	-	-
Acenaphthylene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.21)	-	-	-
Acetophenone	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Aniline	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Anthracene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	0.44	-	-	0.26	-	-	-
Benzo(a)anthracene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	0.38	-	-	0.68	-	-	-
Benzo(a)pyrene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	0.34	-	-	0.66	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	ND (0.18)	-	-	1.1	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	0.21	-	-	0.37	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	0.54	-	-	0.39	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	0.41	-	-	0.83	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.21)	-	-	-
Dibenzofuran	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.78)	-	-	-	-	-	-	-	-	ND (0.71)	-	-	ND (0.84)	-	-	-
Fluoranthene	-	-	-	-	-	0.28	-	-	-	-	-	-	-	-	0.71	-	-	1.1	-	-	-
Fluorene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	ND (0.21)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	0.19	-	-	0.4	-	-	-
Isophorone	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Naphthalene	-	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-	-	ND (0.18)	-	-	0.52	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	0.22	-	-	-	-	-	-	-	-	0.44	-	-	0.76	-	-	-
Phenol	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-	-	ND (0.36)	-	-	ND (0.43)	-	-	-
Pyrene	-	-	-	-	-	0.34	-	-	-	-	-	-	-	-	0.66	-	-	0.99	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	1.27	-	-	-	-	-	-	-	-	4.86	-	-	8.64	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						Q16					Q17				Q5					Q	
Location Name	Q15	Q15	Q15	Q15	Q15	Q16	Q16	Q16	Q16	Q16	Q17	Q17	Q17	Q17	Q5	Q5	Q5	Q5	Q5	Q6	Q6
Sample Name	Q15_S6_16-18	Q15_S8_18-20	Q15_S9_20-22	Q15_S10_22-24	Q15_S11_24-26	Q16_S1_1.0-6.0	Q16_S2_1-2	Q16_S3_2-4	Q16_S4_4-6	Q16_S5_6-8	Q17_S1_1.1-2.1	Q17_S2_2.1-4.1	Q17_S3_4.1-6.1	Q17_S4_6.1-8.1	Q5_S1_0.4-4.4	Q5_S3_0.4-2.4	Q5_S4_2.4-4.4	Q5_S2_4.4-6.4	Q5_S5_4.4-6.4	Q6_S1_0.0-0.6'	Q6_S2_0.6-2.6'
Sample Date	06/17/2010	06/17/2010	06/17/2010	06/17/2010	06/17/2010	02/26/2015	02/26/2015	02/26/2015	02/26/2015	02/26/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	11/18/2015	11/18/2015
Lab Sample ID	134053-17	134053-18	134053-19	134053-20	134053-21	15B0852-01 15C0186-01	15B0852-02	15B0852-03	15C0334-01	15C0334-02	15K0704-26	15K0704-27	15K0704-28	15K0704-29	15B0053-01	15B0053-03	15B0053-04	15B0053-02	15B0053-05	15K0837-05	15K0837-06
Sample Depth (bgs)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	1.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	6.1 - 8.1 (ft)	0.4 - 4.4 (ft)	0.4 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	16 to 12	16 to 14	14 to 12	12 to 10	12 to 10	16.6 to 16	16 to 14
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	1400	-	-	-	-	-	-	-	-	800	-	-	740	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	ND (2.7)	-	-	-	-	-	-	-	-	ND (2.5)	-	-	ND (3.4)	-	-	-
Barium	-	-	-	-	-	49	-	-	-	-	-	-	-	-	33	-	-	80	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	0.86	-	-	-	-	-	-	-	-	ND (0.25)	-	-	0.56	-	-	-
Chromium	-	-	-	-	-	39	-	-	-	-	-	-	-	-	12	-	-	21	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	300	-	-	-	-	-	-	-	-	34	-	-	150	-	-	-
Mercury	-	-	-	-	-	0.084	-	-	-	-	-	-	-	-	0.061	-	-	0.12	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	ND (5.4)	-	-	-	-	-	-	-	-	ND (4.9)	-	-	ND (6.9)	-	-	-
Silver	-	-	-	-	-	ND (0.54)	-	-	-	-	-	-	-	-	ND (0.49)	-	-	ND (0.69)	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-	0.14	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)
Aroclor-1221 (PCB-1221)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)
Aroclor-1232 (PCB-1232)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)
Aroclor-1242 (PCB-1242)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)
Aroclor-1248 (PCB-1248)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	0.41	ND (12)	11	0.2	0.22	3.7	0.2	ND (0.11)	-	ND (0.1)	ND (0.11)	-	0.17	ND (0.1)	0.13
Aroclor-1254 (PCB-1254)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	0.43	98	22	0.39	0.2	8.5	0.32	ND (0.11)	-	ND (0.1)	0.17	-	0.48	ND (0.1)	0.21
Aroclor-1260 (PCB-1260)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	0.17	17	3.9	0.14	0.14	ND (1.7)	0.22	ND (0.11)	-	ND (0.1)	0.23	-	0.45	ND (0.1)	0.12
Aroclor-1262 (PCB-1262)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)
Aroclor-1268 (PCB-1268)	ND (0.055)	ND (0.05)	ND (0.07)	ND (0.075)	ND (0.076)	-	ND (0.11)	ND (12)	ND (2.3)	ND (0.052)	ND (0.11)	ND (1.7)	ND (0.1)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.12)	ND (0.1)	ND (0.1)
SUM of PCBs	ND	ND	ND	ND	ND	-	1.01	115	36.9	0.73	0.56	12.2	0.74	ND	-	ND	0.4	-	1.1	ND	0.46
Other																					
Percent Solids, vol. (%wt)	-	-	-	-	-	86	90.4	82	87	75	91.8	92	93.9	91	94.8	92.5	85.8	79.4	79.4	94.8	92.5
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (4)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (20)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	99	-	-	-	-	-	-	-	-	93	-	-	77	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	NI	-	-	NI	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	8.8	-	-	-	-	-	-	-	-	9.2	-	-	7.1	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	6		Q7					Q8				Q9									
Location Name	Q6	Q6	Q7	Q7	Q7	Q7	Q7	Q8	Q8	Q8	Q8	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9
Sample Name	Q6_S3_2.6-4.6'	Q6_S4_4.6-6.6'	Q7_S1_0.7-4.9	Q7_S3_0.9-2.9	Q7_S4_2.9-4.9	Q7_S2_4.9-6.9	Q7_S5_4.9-6.9	Q8_S1_0.0-1.3	Q8_S2_1.3-3.3	Q8_S3_3.3-5.3	Q8_S4_5.3-7.3	Q9_S1_0.7-1.3	Q9_S2_1.4-3.4	Q9_S6_1.5-8.8	Q9_S3_3.4-5.4	Q9_S4_5.4-7.4	Q9_S5_7.4-9.4	Q9_S7_9.4-11.4	Q9_S8_11.4-13.4	Q9_S9_13.4-15.4	Q9_S10_15.4-17.4
Sample Date	11/18/2015	11/18/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	15K0837-07	15K0837-08	15B0054-01	15B0054-03	15B0054-04	15B0054-02	15B0054-05	15K1068-13	15K1068-14	15K1068-15	15K1068-16	133923-56 133923-71 133923-83	133923-57	133923-61 133923-72 133923-84 134174-3	133923-58	133923-59	133923-60	133973-14	133973-15	133973-16	133973-17
Sample Depth (bgs)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	4.9 - 6.9 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.7 - 1.3 (ft)	1.4 - 3.4 (ft)	1.5 - 8.8 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10	16.7 to 16.1	16 to 14	15.9 to 8.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	ND (0.0042)	-	-	ND (0.0022)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	ND (0.0042)	-	-	ND (0.0022)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	0.0027	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Acetone	-	-	ND (0.11)	-	-	ND (0.055)	-	-	-	-	-	ND (0.2)	-	ND (0.23)	-	-	-	-	-	-	-
Benzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Chlorobenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.0042)	-	-	ND (0.0022)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Ethylbenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	ND (0.0042)	-	-	ND (0.0022)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.0042)	-	-	ND (0.0022)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Methylene chloride	-	-	ND (0.011)	-	-	ND (0.0055)	-	-	-	-	-	ND (0.05)	-	ND (0.057)	-	-	-	-	-	-	-
Naphthalene	-	-	ND (0.011)	-	-	ND (0.0055)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
n-Propylbenzene	-	-	ND (0.0042)	-	-	ND (0.0022)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
o-Xylene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Styrene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Toluene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
Trichloroethene	-	-	ND (0.0021)	-	-	ND (0.0011)	-	-	-	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	0.0027	-	-	ND	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	ND (0.18)	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
2-Methylphenol	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Acenaphthene	-	-	ND (0.18)	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Acenaphthylene	-	-	ND (0.18)	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Acetophenone	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Aniline	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Anthracene	-	-	0.3	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	0.55	-	-	ND (0.19)	-	-	-	-	-	0.91	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	0.46	-	-	ND (0.19)	-	-	-	-	-	0.88	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	0.57	-	-	ND (0.19)	-	-	-	-	-	1.2	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	0.21	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	0.31	-	-	ND (0.19)	-	-	-	-	-	0.5	-	ND (0.35)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	0.38	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Chrysene	-	-	0.56	-	-	ND (0.19)	-	-	-	-	-	0.92	-	ND (0.35)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	ND (0.18)	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Dibenzofuran	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Diethyl phthalate	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	ND (0.7)	-	-	ND (0.75)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Fluoranthene	-	-	1.1	-	-	0.26	-	-	-	-	-	1.7	-	ND (0.35)	-	-	-	-	-	-	-
Fluorene	-	-	ND (0.18)	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	0.18	-	-	ND (0.19)	-	-	-	-	-	0.35	-	ND (0.35)	-	-	-	-	-	-	-
Isophorone	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Naphthalene	-	-	ND (0.18)	-	-	ND (0.19)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Phenanthrene	-	-	1	-	-	0.22	-	-	-	-	-	0.94	-	ND (0.35)	-	-	-	-	-	-	-
Phenol	-	-	ND (0.36)	-	-	ND (0.38)	-	-	-	-	-	ND (0.34)	-	ND (0.35)	-	-	-	-	-	-	-
Pyrene	-	-	0.96	-	-	0.28	-	-	-	-	-	1.5	-	ND (0.35)	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	6.2	-	-	0.76	-	-	-	-	-	8.9	-	0.38	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	6		Q7					Q8				Q9									
Location Name	Q6	Q6	Q7	Q7	Q7	Q7	Q7	Q8	Q8	Q8	Q8	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9	Q9
Sample Name	Q6_S3_2.6-4.6'	Q6_S4_4.6-6.6'	Q7_S1_0.7-4.9	Q7_S3_0.9-2.9	Q7_S4_2.9-4.9	Q7_S2_4.9-6.9	Q7_S5_4.9-6.9	Q8_S1_0.0-1.3	Q8_S2_1.3-3.3	Q8_S3_3.3-5.3	Q8_S4_5.3-7.3	Q9_S1_0.7-1.3	Q9_S2_1.4-3.4	Q9_S6_1.5-8.8	Q9_S3_3.4-5.4	Q9_S4_5.4-7.4	Q9_S5_7.4-9.4	Q9_S7_9.4-11.4	Q9_S8_11.4-13.4	Q9_S9_13.4-15.4	Q9_S10_15.4-17.4
Sample Date	11/18/2015	11/18/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	02/03/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010
Lab Sample ID	15K0837-07	15K0837-08	15B0054-01	15B0054-03	15B0054-04	15B0054-02	15B0054-05	15K1068-13	15K1068-14	15K1068-15	15K1068-16	133923-56 133923-71 133923-83	133923-57	133923-61 133923-72 133923-84 134174-3	133923-58	133923-59	133923-60	133973-14	133973-15	133973-16	133973-17
Sample Depth (bgs)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	4.9 - 6.9 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.7 - 1.3 (ft)	1.4 - 3.4 (ft)	1.5 - 8.8 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	7.4 - 9.4 (ft)	9.4 - 11.4 (ft)	11.4 - 13.4 (ft)	13.4 - 15.4 (ft)	15.4 - 17.4 (ft)
Sample Elevation (ft BCB)	14 to 12	12 to 10	16.2 to 12	16 to 14	14 to 12	12 to 10	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10	16.7 to 16.1	16 to 14	15.9 to 8.6	14 to 12	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	670	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	70	-	160	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	53	-	170	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	ND (30)	-	ND (32)	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1.1)	-	-	-	-	-	-	-
Arsenic	-	-	4.4	-	-	ND (3)	-	-	-	-	-	ND (3.1)	-	5.1	-	-	-	-	-	-	-
Barium	-	-	31	-	-	29	-	-	-	-	-	31	-	76	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	ND (0.31)	-	ND (0.33)	-	-	-	-	-	-	-
Cadmium	-	-	ND (0.26)	-	-	ND (0.3)	-	-	-	-	-	0.69	-	1.3	-	-	-	-	-	-	-
Chromium	-	-	13	-	-	13	-	-	-	-	-	18	-	22	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	35	-	-	41	-	-	-	-	-	19	-	100	-	-	-	-	-	-	-
Mercury	-	-	0.06	-	-	0.051	-	-	-	-	-	ND (0.017)	-	0.066	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	11	-	16	-	-	-	-	-	-	-
Selenium	-	-	ND (5.2)	-	-	ND (6.1)	-	-	-	-	-	ND (5.2)	-	5.9	-	-	-	-	-	-	-
Silver	-	-	ND (0.52)	-	-	ND (0.61)	-	-	-	-	-	ND (1)	-	ND (1.1)	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	ND (5.2)	-	ND (5.4)	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	22	-	30	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	32	-	99	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	9.2	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (0.11)	-	ND (0.1)	0.12	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1254 (PCB-1254)	0.17	0.12	-	ND (0.1)	0.19	-	ND (0.11)	0.12	ND (0.11)	0.14	ND (0.11)	0.98	2.7	-	ND (0.047)	0.11	0.23	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1260 (PCB-1260)	ND (0.11)	ND (0.11)	-	ND (0.1)	0.15	-	ND (0.11)	ND (0.11)	ND (0.11)	0.34	ND (0.11)	ND (0.41)	1.6	-	ND (0.047)	ND (0.045)	0.18	0.14	0.6	ND (0.053)	ND (0.045)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.11)	-	ND (0.1)	ND (0.11)	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.41)	ND (0.46)	-	ND (0.047)	ND (0.045)	ND (0.042)	ND (0.05)	ND (0.054)	ND (0.053)	ND (0.045)
SUM of PCBs	0.17	0.12	-	ND	0.46	-	ND	0.12	ND	0.48	ND	0.98	4.3	-	ND	0.11	0.41	0.14	0.6	ND	ND
Other																					
Percent Solids, vol. (%wt)	94.4	91.7	94.4	94.3	87.1	88.7	91.1	90.8	92.2	97.5	92.9	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (4)	-	-	ND (4)	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (20)	-	-	ND (20)	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	79	-	-	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	NI	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	10	-	-	8.3	-	-	-	-	-	6.5	-	7.4	-	-	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	ND (1.6)	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				R10				R11												
Location Name	Q9	Q9	Q9	R10	R10	R10	R10	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11A	R12
Sample Name	Q9_S11_17.4-19.4	Q9_S12_19.4-21.9	Q9_S13_21.9-23.4	R10_S1_1.0-5.2	R10_S2_1.0-3.2	R10_S3_3.2-5.2	R10_S4_5.2-7.2	R11_S2_7-9	R11_S6_7-17	R11_S3_9-11	R11_S4_11-13	R11_S5_13-15	R11_S6_15-17	Z11_S6_15-17	R11_S6_17-19	R11_S7_19-20	Z11_S7_19-20	R11_S8_20-23	R11A_S1_0-10.1	R12_S1_0-1.4
Sample Date	06/15/2010	06/15/2010	06/15/2010	03/02/2015	03/02/2015	03/02/2015	03/02/2015	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	02/12/2015	11/24/2015
Lab Sample ID	133973-18	133973-19	133973-20	15C0030-01	15C0030-02	15C0516-01	15C0516-02	138940-20	138940-39 138940-49 138940-59 139113-10	138940-21	138940-22	138940-23	138940-24	138940-25	138980-15	138980-16	138980-20	138980-21	15B0413-01 15B0559-01	15K1182-09
Sample Depth (bgs)	17.4 - 19.4 (ft)	19.4 - 21.9 (ft)	21.9 - 23.4 (ft)	1 - 5.2 (ft)	1 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7 - 9 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 20 (ft)	19 - 20 (ft)	20 - 23 (ft)	0 - 10.1 (ft)	0 - 1.4 (ft)
Sample Elevation (ft BCB)	0 to -2	-2 to -4.5	-4.5 to -6	16.3 to 12.1	16.3 to 14.1	14.1 to 12.1	12.1 to 10.1	10.2 to 8.2	10.2 to 0.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2	2.2 to 0.2	2.2 to 0.2	0.2 to -1.8	-1.8 to -2.8	-1.8 to -2.8	-2.8 to -5.8	17.3 to 7.2	17.4 to 16
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
1,2-Dichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
1,3-Dichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
1,4-Dichlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Acetone	-	-	-	ND (0.078)	-	-	-	-	ND (0.28)	-	-	-	-	-	-	-	-	-	ND (0.11)	-
Benzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Chlorobenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Chloroform (Trichloromethane)	-	-	-	ND (0.0031)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Ethylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Isopropylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
m,p-Xylenes	-	-	-	ND (0.0031)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-
Methyl Tert Butyl Ether	-	-	-	ND (0.0031)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0044)	-
Methylene chloride	-	-	-	ND (0.0078)	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-	-	-	ND (0.011)	-
Naphthalene	-	-	-	ND (0.0031)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.011)	-
n-Propylbenzene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
o-Xylene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Styrene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Tetrachloroethene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Toluene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
Trichloroethene	-	-	-	ND (0.0016)	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-	-	ND (0.0022)	-
SUM of Volatile Organic Compounds	-	-	-	ND	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
1,2-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
1,3-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
1,4-Dichlorobenzene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
2,4-Dimethylphenol	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
2,4-Dinitrotoluene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
2,6-Dinitrotoluene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
2-Chloronaphthalene	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
2-Methylnaphthalene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
2-Methylphenol	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
3&4-Methylphenol	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Acenaphthene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
Acenaphthylene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
Acetophenone	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Aniline	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Anthracene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.29	-
Benzo(a)anthracene	-	-	-	0.26	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.51	-
Benzo(a)pyrene	-	-	-	0.24	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.45	-
Benzo(b)fluoranthene	-	-	-	0.39	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.51	-
Benzo(g,h,i)perylene	-	-	-	0.22	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.26	-
Benzo(k)fluoranthene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Butyl benzylphthalate	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Carbazole	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	0.37	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.51	-
Dibenz(a,h)anthracene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
Dibenzofuran	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Diethyl phthalate	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Di-n-butylphthalate	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Di-n-octyl phthalate	-	-	-	ND (0.78)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.83)	-
Fluoranthene	-	-	-	0.66	-	-	-	-	0.76	-	-	-	-	-	-	-	-	-	1.1	-
Fluorene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
Indeno(1,2,3-cd)pyrene	-	-	-	0.25	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.33	-
Isophorone	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Naphthalene	-	-	-	ND (0.2)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.21)	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	0.5	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	0.8	-
Phenol	-	-	-	ND (0.39)	-	-	-	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.42)	-
Pyrene	-	-	-	0.54	-	-	-	-	0.65	-	-	-	-	-	-	-	-	-	1.2	-
SUM of Semi-Volatile Organic Compounds	-	-	-	3.43	-	-	-	-	1.41	-	-	-	-	-	-	-	-	-	5.96	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid				R10				R11												
Location Name	Q9	Q9	Q9	R10	R10	R10	R10	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11	R11A	R12
Sample Name	Q9_S11_17.4-19.4	Q9_S12_19.4-21.9	Q9_S13_21.9-23.4	R10_S1_1.0-5.2	R10_S2_1.0-3.2	R10_S3_3.2-5.2	R10_S4_5.2-7.2	R11_S2_7-9	R11_S6_7-17	R11_S3_9-11	R11_S4_11-13	R11_S5_13-15	R11_S6_15-17	Z11_S6_15-17	R11_S6_17-19	R11_S7_19-20	Z11_S7_19-20	R11_S8_20-23	R11A_S1_0-10.1	R12_S1_0-1.4
Sample Date	06/15/2010	06/15/2010	06/15/2010	03/02/2015	03/02/2015	03/02/2015	03/02/2015	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/04/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	02/12/2015	11/24/2015
Lab Sample ID	133973-18	133973-19	133973-20	15C0030-01	15C0030-02	15C0516-01	15C0516-02	138940-20	138940-39 138940-49 138940-59 139113-10	138940-21	138940-22	138940-23	138940-24	138940-25	138980-15	138980-16	138980-20	138980-21	15B0413-01 15B0559-01	15K1182-09
Sample Depth (bgs)	17.4 - 19.4 (ft)	19.4 - 21.9 (ft)	21.9 - 23.4 (ft)	1 - 5.2 (ft)	1 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	7 - 9 (ft)	7 - 17 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 17 (ft)	17 - 19 (ft)	19 - 20 (ft)	19 - 20 (ft)	20 - 23 (ft)	0 - 10.1 (ft)	0 - 1.4 (ft)
Sample Elevation (ft BCB)	0 to -2	-2 to -4.5	-4.5 to -6	16.3 to 12.1	16.3 to 14.1	14.1 to 12.1	12.1 to 10.1	10.2 to 8.2	10.2 to 0.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2	2.2 to 0.2	2.2 to 0.2	0.2 to -1.8	-1.8 to -2.8	-1.8 to -2.8	-2.8 to -5.8	17.3 to 7.2	17.4 to 16
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	5800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	7	-	-	-	-	ND (4.2)	-	-	-	-	-	-	-	-	-	3.4	-
Barium	-	-	-	41	-	-	-	-	57	-	-	-	-	-	-	-	-	-	39	-
Beryllium	-	-	-	-	-	-	-	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	0.48	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	ND (0.31)	-
Chromium	-	-	-	8.4	-	-	-	-	32	-	-	-	-	-	-	-	-	-	22	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	79	-	-	-	-	39	-	-	-	-	-	-	-	-	-	110	-
Mercury	-	-	-	0.085	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-	0.74	-
Nickel	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	ND (5.7)	-	-	-	-	ND (6.9)	-	-	-	-	-	-	-	-	-	ND (6.1)	-
Silver	-	-	-	ND (0.57)	-	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (0.61)	-
Thallium	-	-	-	-	-	-	-	-	ND (6.9)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.048)	ND (0.044)	ND (0.058)	-	0.16	0.36	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.048)	ND (0.044)	ND (0.058)	-	0.26	0.53	ND (0.11)	ND (0.05)	-	0.065	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	0.08	ND (0.1)	-	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.048)	ND (0.044)	ND (0.058)	-	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.05)	-	ND (0.055)	ND (0.056)	ND (0.057)	ND (0.054)	ND (0.054)	ND (0.072)	ND (0.062)	ND (0.064)	ND (0.1)	-	ND (0.11)
SUM of PCBs	ND	ND	ND	-	0.42	0.89	ND	ND	-	0.065	ND	ND	ND	ND	ND	ND	0.08	ND	-	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	85.8	85.2	88	85.8	-	-	-	-	-	-	-	-	-	-	-	80.4	91.4
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (3.9)	-	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (4)	-
Reactive Sulfide (mg/kg)	-	-	-	ND (20)	-	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (20)	-
Oxidation reduction potential (mv)	-	-	-	91	-	-	-	-	450	-	-	-	-	-	-	-	-	-	39	-
Ignitability (Flashpoint) (PA)	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-
pH Corrosivity (pH units)	-	-	-	8.1	-	-	-	-	7.1	-	-	-	-	-	-	-	-	-	7.3	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	R12			R13									R14					
Location Name	R12	R12	R12	R13	R13	R13	R13	R13	R13	R13	R13	R13	R14	R14	R14	R14	R14	R14
Sample Name	R12_S2_1.4-3.4	R12_S3_3.4-5.4	R12_S4_5.4-7.4	R13_S1_1.5-7.5	R13_S6_7.5-17.5	R13_S2_9.5-11.5	R13_S3_11.5-13.5	R13_S4_13.5-15.5	R13_S5_15.5-17.5	R13_S7_17.5-19.5	R13_S8_19.5-21.5	R13_S9_21.5-23.5	R14_S1_1.5-7.5	R14_S2_7.5-9.5	R14_S7_7.5-17.5	R14_S3_9.5-11.5	R14_S4_11.5-13.5	R14_S5_13.5-15.5
Sample Date	11/24/2015	11/24/2015	11/24/2015	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010
Lab Sample ID	15K1182-10	15K1182-11	15K1182-12	134530-38 134530-53 134530-61 134713-5	134530-43 134530-54 134530-62	134530-39	134530-40	134530-41	134530-42	134530-44	134530-45	134530-46	134015-38 134015-48 134015-58	134015-1 134015-1RA1	134015-39 134015-49 134015-59 134218-5	134015-2	134015-3	134015-4
Sample Depth (bgs)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	1.5 - 7.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	16 to 10	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,3,5-Trimethylbenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Acetone	-	-	-	ND (0.2)	ND (0.2)	-	-	-	-	-	-	-	ND (0.22)	-	ND (0.32)	-	-	-
Benzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Chlorobenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Ethylbenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Isopropylbenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
m,p-Xylenes	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Methylene chloride	-	-	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	ND (0.055)	-	ND (0.08)	-	-	-
Naphthalene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
n-Propylbenzene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
o-Xylene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Styrene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Tetrachloroethene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Toluene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
Trichloroethene	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.008)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	ND	ND	-	-	-	-	-	-	-	ND	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
2,4-Dimethylphenol	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
2,4-Dinitrotoluene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
2,6-Dinitrotoluene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
2-Chloronaphthalene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
2-Methylnaphthalene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
2-Methylphenol	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
3&4-Methylphenol	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Acenaphthene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Acenaphthylene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Acetophenone	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Aniline	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Anthracene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	1	-	-	-
Benzo(a)anthracene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	1.4	-	-	-
Benzo(a)pyrene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	1.2	-	-	-
Benzo(b)fluoranthene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	1.2	-	-	-
Benzo(g,h,i)perylene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	0.59	-	-	-
Benzo(k)fluoranthene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	0.48	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Butyl benzylphthalate	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Carbazole	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Chrysene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	1.4	-	-	-
Dibenz(a,h)anthracene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Dibenzofuran	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Diethyl phthalate	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Di-n-butylphthalate	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Di-n-octyl phthalate	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Fluoranthene	-	-	-	ND (0.75)	0.88	-	-	-	-	-	-	-	ND (0.36)	-	2.3	-	-	-
Fluorene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	0.7	-	-	-
Isophorone	-	-	-	2.3	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Naphthalene	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Phenanthrene	-	-	-	ND (0.75)	0.69	-	-	-	-	-	-	-	ND (0.36)	-	1.7	-	-	-
Phenol	-	-	-	ND (0.75)	ND (0.46)	-	-	-	-	-	-	-	ND (0.36)	-	ND (0.43)	-	-	-
Pyrene	-	-	-	ND (0.75)	0.72	-	-	-	-	-	-	-	ND (0.36)	-	2.2	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	2.3	2.29	-	-	-	-	-	-	-	ND	-	14.17	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	R12			R13									R14					
Location Name	R12	R12	R12	R13	R13	R13	R13	R13	R13	R13	R13	R13	R14	R14	R14	R14	R14	R14
Sample Name	R12_S2_1.4-3.4	R12_S3_3.4-5.4	R12_S4_5.4-7.4	R13_S1_1.5-7.5	R13_S6_7.5-17.5	R13_S2_9.5-11.5	R13_S3_11.5-13.5	R13_S4_13.5-15.5	R13_S5_15.5-17.5	R13_S7_17.5-19.5	R13_S8_19.5-21.5	R13_S9_21.5-23.5	R14_S1_1.5-7.5	R14_S2_7.5-9.5	R14_S7_7.5-17.5	R14_S3_9.5-11.5	R14_S4_11.5-13.5	R14_S5_13.5-15.5
Sample Date	11/24/2015	11/24/2015	11/24/2015	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	07/06/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010
Lab Sample ID	15K1182-10	15K1182-11	15K1182-12	134530-38 134530-53 134530-61 134713-5	134530-43 134530-54 134530-62	134530-39	134530-40	134530-41	134530-42	134530-44	134530-45	134530-46	134015-38 134015-48 134015-58	134015-1 134015-1RA1	134015-39 134015-49 134015-59 134218-5	134015-2	134015-3	134015-4
Sample Depth (bgs)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	1.5 - 7.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	1.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	16 to 10	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	51	ND (43)	-	-	-	-	-	-	-	380	-	ND (38)	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	57	ND (43)	-	-	-	-	-	-	-	490	-	ND (38)	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (35)	ND (43)	-	-	-	-	-	-	-	250	-	ND (38)	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	ND (1.2)	ND (1.5)	-	-	-	-	-	-	-	1.6	-	2.5	-	-	-
Arsenic	-	-	-	ND (3.6)	ND (4.5)	-	-	-	-	-	-	-	ND (3.3)	-	ND (3.2)	-	-	-
Barium	-	-	-	45	18	-	-	-	-	-	-	-	28	-	87	-	-	-
Beryllium	-	-	-	ND (0.36)	ND (0.45)	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.32)	-	-	-
Cadmium	-	-	-	0.69	ND (0.75)	-	-	-	-	-	-	-	0.75	-	1.4	-	-	-
Chromium	-	-	-	12	12	-	-	-	-	-	-	-	25	-	43	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Lead	-	-	-	220	15	-	-	-	-	-	-	-	32	-	13	-	-	-
Mercury	-	-	-	0.14	0.24	-	-	-	-	-	-	-	0.054	-	0.039	-	-	-
Nickel	-	-	-	ND (6)	ND (7.5)	-	-	-	-	-	-	-	13	-	28	-	-	-
Selenium	-	-	-	ND (6)	ND (7.5)	-	-	-	-	-	-	-	ND (5.5)	-	ND (7)	-	-	-
Silver	-	-	-	ND (1.2)	ND (1.5)	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.1)	-	-	-
Thallium	-	-	-	ND (6)	ND (7.5)	-	-	-	-	-	-	-	ND (5.5)	-	ND (5.3)	-	-	-
Vanadium	-	-	-	13	12	-	-	-	-	-	-	-	23	-	50	-	-	-
Zinc	-	-	-	95	21	-	-	-	-	-	-	-	74	-	65	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1248 (PCB-1248)	0.13	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1254 (PCB-1254)	ND (0.11)	ND (0.12)	ND (0.11)	0.056	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	2.1	0.92	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1260 (PCB-1260)	ND (0.11)	ND (0.12)	ND (0.11)	0.047	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	1	0.49	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.046)	-	ND (0.053)	ND (0.052)	ND (0.055)	ND (0.06)	ND (0.058)	ND (0.057)	ND (0.056)	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)
SUM of PCBs	0.13	ND	ND	0.103	-	ND	ND	ND	ND	ND	ND	ND	3.1	1.41	-	ND	ND	ND
Other																		
Percent Solids, vol. (%wt)	88.3	81.8	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	165 >	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	9.8	6.8	-	-	-	-	-	-	-	7.9	-	7.9	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-	-	2.9	-	ND (1.6)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-	-	7	-	4	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.4)	ND (1.8)	-	-	-	-	-	-	-	4.2	-	3.6	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					R15												R16	
Location Name	R14	R14	R14	R14	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R16	R16
Sample Name	R14_S6_15.5-17.5	R14_S8_17.5-19.5	R14_S9_19.5-21.5	R14_S10_21.5-23.5	R15_S1_0-6.5	R15_S2_6.5-7.5	R15_S8_6.5-16.5	R15_S3_7.5-9.5	R15_S4_9.5-11.5	R15_S5_11.5-13.5	R15_S6_13.5-15.5	R15_S7_15.5-17.5	R15_S9_17.5-19.5	R15_S10_19.5-21.5	R15_S11_21.5-23.5	R15_S12_23.5-25.5	R16_S2_2.7-3.7	R16_S3_3.7-5.7
Sample Date	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	12/08/2015	12/08/2015
Lab Sample ID	134015-5	134015-6	134015-7	134015-8	133923-15 133923-65 133923-76	133923-16	133923-4 133923-63 133923-74	133923-17	133923-18	133923-1	133923-2	133923-3	133923-5	133923-6	133923-7	133923-8	15L0384-01	15L0384-02
Sample Depth (bgs)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	0 - 6.5 (ft)	6.5 - 7.5 (ft)	6.5 - 16.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	2.7 - 3.7 (ft)	3.7 - 5.7 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	17.5 to 11	11 to 10	11 to 1	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	15 to 14	14 to 12
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	ND (0.21)	-	ND (0.27)	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	ND (0.054)	-	ND (0.067)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	ND (0.005)	-	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	0.41	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	0.39	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	0.52	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	0.43	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	0.89	-	0.66	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	0.8	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	0.72	-	0.56	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	4.16	-	1.22	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid					R15												R16	
Location Name	R14	R14	R14	R14	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R15	R16	R16
Sample Name	R14_S6_15.5-17.5	R14_S8_17.5-19.5	R14_S9_19.5-21.5	R14_S10_21.5-23.5	R15_S1_0-6.5	R15_S2_6.5-7.5	R15_S8_6.5-16.5	R15_S3_7.5-9.5	R15_S4_9.5-11.5	R15_S5_11.5-13.5	R15_S6_13.5-15.5	R15_S7_15.5-17.5	R15_S9_17.5-19.5	R15_S10_19.5-21.5	R15_S11_21.5-23.5	R15_S12_23.5-25.5	R16_S2_2.7-3.7	R16_S3_3.7-5.7
Sample Date	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	12/08/2015	12/08/2015
Lab Sample ID	134015-5	134015-6	134015-7	134015-8	133923-15 133923-65 133923-76	133923-16	133923-4 133923-63 133923-74	133923-17	133923-18	133923-1	133923-2	133923-3	133923-5	133923-6	133923-7	133923-8	15L0384-01	15L0384-02
Sample Depth (bgs)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	0 - 6.5 (ft)	6.5 - 7.5 (ft)	6.5 - 16.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	19.5 - 21.5 (ft)	21.5 - 23.5 (ft)	23.5 - 25.5 (ft)	2.7 - 3.7 (ft)	3.7 - 5.7 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	17.5 to 11	11 to 10	11 to 1	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	15 to 14	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	330	-	610	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	600	-	730	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	490	-	610	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	ND (3.3)	-	ND (4.1)	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	39	-	36	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	ND (0.33)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	0.97	-	ND (0.68)	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	22	-	15	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	44	-	60	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	0.37	-	ND (0.022)	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	13	-	9.8	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	ND (5.5)	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	ND (5.5)	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	26	-	22	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	54	-	43	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	ND (0.46)	ND (0.12)
Aroclor-1221 (PCB-1221)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	ND (0.46)	ND (0.12)
Aroclor-1232 (PCB-1232)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	ND (0.46)	ND (0.12)
Aroclor-1242 (PCB-1242)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	ND (0.46)	ND (0.12)
Aroclor-1248 (PCB-1248)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	0.61	0.16
Aroclor-1254 (PCB-1254)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	0.33	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	1.8	0.51
Aroclor-1260 (PCB-1260)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	0.2	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	1.1	0.35
Aroclor-1262 (PCB-1262)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	ND (0.46)	ND (0.12)
Aroclor-1268 (PCB-1268)	ND (0.053)	ND (0.056)	ND (0.056)	ND (0.059)	ND (0.043)	ND (0.05)	-	ND (0.052)	ND (0.054)	ND (0.052)	ND (0.057)	ND (0.058)	ND (0.068)	ND (0.058)	ND (0.059)	ND (0.073)	ND (0.46)	ND (0.12)
SUM of PCBs	ND	ND	ND	ND	0.53	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.51	1.02
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.2	81.9
Ignitability (Flashpoint) (Deg F)	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	6.9	-	6.7	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.2)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	2	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	ND (1.2)	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		R17					R18			R5												
Location Name	R16	R17	R17	R17	R17	R17	R18	R18	R18	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R6
Sample Name	R16_S4_5.7-7.7	R17_S1_1-6	R17_S2_1-2	R17_S3_2-4	R17_S4_4-6	R17_S5_6-8	R18_S1_0.5-6.0	R18_S2_0.5-6.0	R18_S3_2-4	R5_S1_0-6	R5_S2_6-8	R5_S7_6-16	R5_S3_8-10	R5_S4_10-12	R5_S5_12-14	R5_S6_14-16	R5_S8_16-18	R5_S9_18-20	R5_S10_20-22	R5_S11_22-24	R5_S12_24-26	R6_S1_0-4.4
Sample Date	12/08/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/09/2010
Lab Sample ID	15L0384-03	15A0729-01	15A0729-02	15A0729-03	15B0076-01	15B0076-02	15A0725-01	15A0725-02	15A0725-03	133820-37 133820-46 133820-54	133820-16	133820-41 133820-47 133820-55 134052-3	133820-17	133820-18	133820-19	133820-20	133820-21	133820-22	133820-23	133820-24	133820-25	133766-53 133766-58 133766-67 134055-2
Sample Depth (bgs)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	0.5 - 6 (ft)	2 - 4 (ft)	0 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 4.4 (ft)
Sample Elevation (ft BCB)	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 12	17.5 to 12	16 to 14	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	16.4 to 12
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,2,4-Trichlorobenzene	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,2-Dichlorobenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3-Dichlorobenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
1,4-Dichlorobenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Acetone	-	ND (0.11)	-	-	-	-	ND (0.077)	-	-	ND (0.2)	-	ND (0.21)	-	-	-	-	-	-	-	-	-	ND (0.21)
Benzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	0.006	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Chlorobenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Chloroform (Trichloromethane)	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Ethylbenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Isopropylbenzene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
m,p-Xylenes	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Methyl Tert Butyl Ether	-	ND (0.0045)	-	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Methylene chloride	-	ND (0.011)	-	-	-	-	ND (0.0077)	-	-	ND (0.05)	-	ND (0.051)	-	-	-	-	-	-	-	-	-	ND (0.052)
Naphthalene	-	ND (0.011)	-	-	-	-	ND (0.0077)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
n-Propylbenzene	-	ND (0.0023)	-	-	-	-	ND (0.0031)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
o-Xylene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Styrene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Tetrachloroethene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Toluene	-	0.0041	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
Trichloroethene	-	ND (0.0023)	-	-	-	-	ND (0.0015)	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.005)
SUM of Volatile Organic Compounds	-	0.0041	-	-	-	-	ND	-	-	0.006	-	ND	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
1,2-Dichlorobenzene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
1,3-Dichlorobenzene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
1,4-Dichlorobenzene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
2,4-Dimethylphenol	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
2,4-Dinitrotoluene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
2,6-Dinitrotoluene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
2-Chloronaphthalene	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
2-Methylnaphthalene	-	ND (0.18)	-	-	-	-	0.54	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.6
2-Methylphenol	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
3&4-Methylphenol	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Acenaphthene	-	ND (0.18)	-	-	-	-	2.4	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Acenaphthylene	-	ND (0.18)	-	-	-	-	ND (0.19)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Acetophenone	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Aniline	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Anthracene	-	ND (0.18)	-	-	-	-	4.5	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.44
Benzo(a)anthracene	-	0.24	-	-	-	-	9.6	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.94
Benzo(a)pyrene	-	0.21	-	-	-	-	7.3	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.87
Benzo(b)fluoranthene	-	0.29	-	-	-	-	9.4	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.4
Benzo(g,h,i)perylene	-	ND (0.18)	-	-	-	-	3.4	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Benzo(k)fluoranthene	-	ND (0.18)	-	-	-	-	4.4	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.44
bis(2-Ethylhexyl)phthalate	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Butyl benzylphthalate	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Chrysene	-	0.29	-	-	-	-	9.2	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.1
Dibenz(a,h)anthracene	-	ND (0.18)	-	-	-	-	1.5	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Dibenzofuran	-	ND (0.36)	-	-	-	-	1.3	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Diethyl phthalate	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Di-n-butylphthalate	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Di-n-octyl phthalate	-	ND (0.71)	-	-	-	-	ND (0.76)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Fluoranthene	-	0.43	-	-	-	-	20	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.9
Fluorene	-	ND (0.18)	-	-	-	-	2.3	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	ND (0.18)	-	-	-	-	3.9	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.41
Isophorone	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Naphthalene	-	ND (0.18)	-	-	-	-	0.8	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	0.37
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Phenanthrene	-	0.32	-	-	-	-	16	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.7
Phenol	-	ND (0.36)	-	-	-	-	ND (0.39)	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	ND (0.35)
Pyrene	-	0.51	-	-	-	-	19	-	-	ND (0.35)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	1.7
SUM of Semi-Volatile Organic Compounds	-	2.29	-	-	-	-	115.54	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	11.87

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		R17					R18			R5												
Location Name	R16	R17	R17	R17	R17	R17	R18	R18	R18	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R6
Sample Name	R16_S4_5.7-7.7	R17_S1_1-6	R17_S2_1-2	R17_S3_2-4	R17_S4_4-6	R17_S5_6-8	R18_S1_0.5-6.0	R18_S2_0.5-6.0	R18_S3_2-4	R5_S1_0-6	R5_S2_6-8	R5_S7_6-16	R5_S3_8-10	R5_S4_10-12	R5_S5_12-14	R5_S6_14-16	R5_S8_16-18	R5_S9_18-20	R5_S10_20-22	R5_S11_22-24	R5_S12_24-26	R6_S1_0-4.4
Sample Date	12/08/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/09/2010
Lab Sample ID	15L0384-03	15A0729-01	15A0729-02	15A0729-03	15B0076-01	15B0076-02	15A0725-01	15A0725-02	15A0725-03	133820-37 133820-46 133820-54	133820-16	133820-41 133820-47 133820-55 134052-3	133820-17	133820-18	133820-19	133820-20	133820-21	133820-22	133820-23	133820-24	133820-25	133766-53 133766-58 133766-67 134055-2
Sample Depth (bgs)	5.7 - 7.7 (ft)	1 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	0.5 - 6 (ft)	0.5 - 6 (ft)	2 - 4 (ft)	0 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 4.4 (ft)
Sample Elevation (ft BCB)	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.5 to 12	17.5 to 12	16 to 14	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	16.4 to 12
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	380	-	-	-	-	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	110	-	ND (37)	-	-	-	-	-	-	-	-	-	210
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	120	-	ND (37)	-	-	-	-	-	-	-	-	-	260
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	32	-	ND (37)	-	-	-	-	-	-	-	-	-	34
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	2.8	-	6	-	-	-	-	-	-	-	-	-	3.9
Arsenic	-	3.8	-	-	-	-	3.6	-	-	ND (3.3)	-	ND (4)	-	-	-	-	-	-	-	-	-	ND (3.2)
Barium	-	32	-	-	-	-	53	-	-	21	-	86	-	-	-	-	-	-	-	-	-	32
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.4)	-	-	-	-	-	-	-	-	-	ND (0.32)
Cadmium	-	0.54	-	-	-	-	0.59	-	-	ND (0.55)	-	1.8	-	-	-	-	-	-	-	-	-	1.3
Chromium	-	15	-	-	-	-	15	-	-	11	-	51	-	-	-	-	-	-	-	-	-	14
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
Lead	-	50	-	-	-	-	68	-	-	33	-	14	-	-	-	-	-	-	-	-	-	120
Mercury	-	0.069	-	-	-	-	0.095	-	-	0.035	-	0.048	-	-	-	-	-	-	-	-	-	0.21
Nickel	-	-	-	-	-	-	-	-	-	10	-	34	-	-	-	-	-	-	-	-	-	19
Selenium	-	ND (5.2)	-	-	-	-	ND (5.5)	-	-	ND (5.5)	-	7.7	-	-	-	-	-	-	-	-	-	6
Silver	-	ND (0.52)	-	-	-	-	ND (0.55)	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	ND (1.1)
Thallium	-	-	-	-	-	-	-	-	-	ND (5.5)	-	ND (6.7)	-	-	-	-	-	-	-	-	-	ND (5.3)
Vanadium	-	-	-	-	-	-	-	-	-	13	-	65	-	-	-	-	-	-	-	-	-	28
Zinc	-	-	-	-	-	-	-	-	-	30	-	78	-	-	-	-	-	-	-	-	-	96
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
Aroclor-1221 (PCB-1221)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
Aroclor-1232 (PCB-1232)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
Aroclor-1242 (PCB-1242)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
Aroclor-1248 (PCB-1248)	0.17	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
Aroclor-1254 (PCB-1254)	0.56	-	ND (0.1)	1.2	ND (0.12)	ND (0.13)	-	0.13	ND (0.12)	1.5	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	0.7
Aroclor-1260 (PCB-1260)	0.4	-	ND (0.1)	0.43	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	1.4	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	0.63
Aroclor-1262 (PCB-1262)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
Aroclor-1268 (PCB-1268)	ND (0.11)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	-	ND (0.11)	ND (0.12)	ND (0.43)	ND (0.045)	-	ND (0.05)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.051)	ND (0.051)	ND (0.049)	ND (0.061)	ND (0.06)	ND (0.43)
SUM of PCBs	1.13	-	ND	1.63	ND	ND	-	0.13	ND	2.9	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.33
Other																						
Percent Solids, vol. (%wt)	88.5	94.3	94.9	92.8	85.9	77.4	88.2	93	84.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	ND (4)	-	-	-	-	ND (3.9)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	ND (20)	-	-	-	-	ND (20)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	85	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	NI	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	8.4	-	-	-	-	11	-	-	8.2	-	7.8	-	-	-	-	-	-	-	-	-	8.7
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	2.6
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	1.3	-	ND (1.5)	-	-	-	-	-	-	-	-	-	6.4
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1.1)	-	ND (1.5)	-	-	-	-	-	-	-	-	-	4.3

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	R6										R7				R8			R9		
Location Name	R6	R6	R6	R6	R6	R6	R6	R6	R6	R6	R7	R7	R7	R7	R8	R8	R8	R9	R9	R9
Sample Name	R6_S2_4.4-6.4	R6_S7_4.4-14.4	R6_S3_6.4-8.4	R6_S4_8.4-10.4	R6_S5_10.4-12.4	R6_S6_12.4-14.4	R6_S8_14.4-16.4	R6_S9_16.4-18.4	R6_S10_18.4-20.4	R6_S11_20.4-22.4	R7_S1_0.0-0.6	R7_S2_0.6-2.6	R7_S3_2.6-4.6	R7_S4_4.6-6.6	R8_S2_1.0-3.0	R8_S3_3.0-5.0	R8_S4_5.0-7.0	R9_S1_0.4-5.2	R9_S4_1.2-3.2	R9_S5_3.2-5.2
Sample Date	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/07/2015	02/07/2015	02/07/2015
Lab Sample ID	133766-11	133766-48 133766-57 133766-66 134055-5	133766-12	133766-13	133766-14	133766-1	133766-2	133766-3	133766-4	133766-5	15K1069-11	15K1069-12	15K1069-13	15K1069-14	15K1068-20	15K1069-01	15K1069-02	15B0270-01	15B0270-04	15B0270-05
Sample Depth (bgs)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 5.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.6 to 16	16 to 14	14 to 12	12 to 10	16 to 14	14 to 12	12 to 10	16.8 to 12	16 to 14	14 to 12
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-
1,2,4-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-
1,2,4-Trimethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
1,2-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
1,3,5-Trichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
1,3-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
1,4-Dichlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Acetone	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.063)	-	-
Benzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Chlorobenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Chloroform (Trichloromethane)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Ethylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Isopropylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
m,p-Xylenes	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-
Methyl Tert Butyl Ether	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0025)	-	-
Methylene chloride	-	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0063)	-	-
Naphthalene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0063)	-	-
n-Propylbenzene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
o-Xylene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Styrene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Tetrachloroethene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Toluene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
Trichloroethene	-	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0013)	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
1,2-Dichlorobenzene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
1,3-Dichlorobenzene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
1,4-Dichlorobenzene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
2,4-Dimethylphenol	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
2,4-Dinitrotoluene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
2,6-Dinitrotoluene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
2-Chloronaphthalene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
2-Methylnaphthalene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
2-Methylphenol	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
3&4-Methylphenol	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Acenaphthene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
Acenaphthylene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
Acetophenone	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Aniline	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Anthracene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	-	-
Benzo(a)anthracene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	-	-
Benzo(a)pyrene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	-	-
Benzo(b)fluoranthene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-
Benzo(g,h,i)perylene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
Benzo(k)fluoranthene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Butyl benzylphthalate	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Carbazole	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-
Dibenz(a,h)anthracene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
Dibenzofuran	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Diethyl phthalate	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Di-n-butylphthalate	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Di-n-octyl phthalate	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.71)	-	-
Fluoranthene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	-	-
Fluorene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
Isophorone	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Naphthalene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.18)	-	-
N-Nitrosodiphenylamine	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.85	-	-
Phenol	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	-	-
Pyrene	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	-	-
SUM of Semi-Volatile Organic Compounds	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.47	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	R6										R7				R8			R9		
Location Name	R6	R6	R6	R6	R6	R6	R6	R6	R6	R6	R7	R7	R7	R7	R8	R8	R8	R9	R9	R9
Sample Name	R6_S2_4.4-6.4	R6_S7_4.4-14.4	R6_S3_6.4-8.4	R6_S4_8.4-10.4	R6_S5_10.4-12.4	R6_S6_12.4-14.4	R6_S8_14.4-16.4	R6_S9_16.4-18.4	R6_S10_18.4-20.4	R6_S11_20.4-22.4	R7_S1_0.0-0.6	R7_S2_0.6-2.6	R7_S3_2.6-4.6	R7_S4_4.6-6.6	R8_S2_1.0-3.0	R8_S3_3.0-5.0	R8_S4_5.0-7.0	R9_S1_0.4-5.2	R9_S4_1.2-3.2	R9_S5_3.2-5.2
Sample Date	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	06/09/2010	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	11/23/2015	02/07/2015	02/07/2015	02/07/2015
Lab Sample ID	133766-11	133766-48 133766-57 133766-66 134055-5	133766-12	133766-13	133766-14	133766-1	133766-2	133766-3	133766-4	133766-5	15K1069-11	15K1069-12	15K1069-13	15K1069-14	15K1068-20	15K1069-01	15K1069-02	15B0270-01	15B0270-04	15B0270-05
Sample Depth (bgs)	4.4 - 6.4 (ft)	4.4 - 14.4 (ft)	6.4 - 8.4 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0.4 - 5.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.6 to 16	16 to 14	14 to 12	12 to 10	16 to 14	14 to 12	12 to 10	16.8 to 12	16 to 14	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-
Barium	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-
Beryllium	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-
Chromium	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	-
Mercury	-	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	-	-
Nickel	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.4)	-	-
Silver	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.54)	-	-
Thallium	-	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	0.38	1	ND (0.11)	0.57	ND (0.12)	ND (0.11)	-	0.29	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	0.59	1.1	ND (0.11)	0.62	ND (0.12)	ND (0.11)	-	0.17	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	0.5	0.73	ND (0.11)	0.45	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.12)	ND (0.11)	-	ND (0.1)	ND (0.11)
SUM of PCBs	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.47	2.83	ND	1.64	ND	ND	-	0.46	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	95.8	92.4	87.7	91.2	97.3	79.8	89.3	93.9	96.4	87.5
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-
pH Corrosivity (pH units)	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			S11				S12					S13									
Location Name	R9	R9	S11	S11	S11	S11	S12	S12	S12	S12	S12	S13	S13	S13	S13	S13	S13	S13	S13	S13	S13
Sample Name	R9_S2_5.2-7.2	R9_S6_5.2-7.2	S11_S1_0-0.9	S11_S2_0.9-2.9	S11_S3_2.9-4.9	S11_S4_4.9-6.9	S12_S1_0.3-5.3	S12_S2_0.3-1.3	S12_S3_1.3-3.3	S12_S4_3.3-5.3	S12_S5_5.3-7.3	S13_S1_0.4-5.5	S13_S7_5.5-16	S13_S2_6-8	S13_S3_8-10	S13_S4_10-12	S13_S5_12-14	S13_S6_14-16	S13_S8_16-18	S13_S9_18-20	S13_S10_20-22
Sample Date	02/07/2015	02/07/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID	15B0270-02 15E0553-01	15B0270-06	15K1179-04	15K1179-05	15K1179-06	15K1179-07	15B0265-01 15E0554-01	15B0265-02	15B0265-03	15B0623-01	15B0623-02	133923-20 133923-66 133923-77	133923-26 133923-73 133923-85	133923-21	133923-22	133923-23	133923-24	133923-25	133923-30	133923-27	133923-28
Sample Depth (bgs)	5.2 - 7.2 (ft)	5.2 - 7.2 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.4 - 5.5 (ft)	5.5 - 16 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 10	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	16.7 to 11.6	11.6 to 1.1	11.1 to 9.1	9.1 to 7.1	7.1 to 5.1	5.1 to 3.1	3.1 to 1.1	1.1 to -0.9	-0.9 to -2.9	-2.9 to -4.9
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	ND (0.0023)	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.0023)	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Acetone	ND (0.058)	-	-	-	-	-	ND (0.098)	-	-	-	-	ND (0.43)	ND (0.22)	-	-	-	-	-	-	-	-
Benzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Chlorobenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (0.0023)	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Isopropylbenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
m,p-Xylenes	ND (0.0023)	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	ND (0.0023)	-	-	-	-	-	ND (0.0039)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.0058)	-	-	-	-	-	ND (0.0098)	-	-	-	-	ND (0.11)	ND (0.056)	-	-	-	-	-	-	-	-
Naphthalene	ND (0.0058)	-	-	-	-	-	ND (0.0098)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
o-Xylene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Styrene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Toluene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.0012)	-	-	-	-	-	ND (0.002)	-	-	-	-	ND (0.011)	ND (0.006)	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	ND	-	-	-	-	-	ND	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
2-Methylphenol	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
3&4-Methylphenol	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Acenaphthene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Acenaphthylene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Acetophenone	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Aniline	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Anthracene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ND (0.19)	-	-	-	-	-	1	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ND (0.19)	-	-	-	-	-	0.82	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ND (0.19)	-	-	-	-	-	1.2	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Chrysene	ND (0.19)	-	-	-	-	-	1	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Dibenzofuran	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Diethyl phthalate	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Di-n-butylphthalate	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	ND (0.74)	-	-	-	-	-	ND (3.2)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Fluoranthene	ND (0.19)	-	-	-	-	-	2.3	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Fluorene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Isophorone	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Naphthalene	ND (0.19)	-	-	-	-	-	ND (0.81)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Phenanthrene	ND (0.19)	-	-	-	-	-	1.2	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Phenol	ND (0.38)	-	-	-	-	-	ND (1.6)	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
Pyrene	0.21	-	-	-	-	-	1.8	-	-	-	-	ND (0.35)	ND (0.41)	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	0.21	-	-	-	-	-	9.32	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid			S11				S12					S13									
Location Name	R9	R9	S11	S11	S11	S11	S12	S12	S12	S12	S12	S13	S13	S13	S13	S13	S13	S13	S13	S13	S13
Sample Name	R9_S2_5.2-7.2	R9_S6_5.2-7.2	S11_S1_0-0.9	S11_S2_0.9-2.9	S11_S3_2.9-4.9	S11_S4_4.9-6.9	S12_S1_0.3-5.3	S12_S2_0.3-1.3	S12_S3_1.3-3.3	S12_S4_3.3-5.3	S12_S5_5.3-7.3	S13_S1_0.4-5.5	S13_S7_5.5-16	S13_S2_6-8	S13_S3_8-10	S13_S4_10-12	S13_S5_12-14	S13_S6_14-16	S13_S8_16-18	S13_S9_18-20	S13_S10_20-22
Sample Date	02/07/2015	02/07/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID	15B0270-02 15E0553-01	15B0270-06	15K1179-04	15K1179-05	15K1179-06	15K1179-07	15B0265-01 15E0554-01	15B0265-02	15B0265-03	15B0623-01	15B0623-02	133923-20 133923-66 133923-77	133923-26 133923-73 133923-85	133923-21	133923-22	133923-23	133923-24	133923-25	133923-30	133923-27	133923-28
Sample Depth (bgs)	5.2 - 7.2 (ft)	5.2 - 7.2 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0.4 - 5.5 (ft)	5.5 - 16 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 10	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	16.7 to 11.6	11.6 to 1.1	11.1 to 9.1	9.1 to 7.1	7.1 to 5.1	5.1 to 3.1	3.1 to 1.1	1.1 to -0.9	-0.9 to -2.9	-2.9 to -4.9
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	440	-	-	-	-	-	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	47	47	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	46	52	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	ND (32)	ND (37)	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-
Arsenic	3.9	-	-	-	-	-	12	-	-	-	-	ND (3.3)	12	-	-	-	-	-	-	-	-
Barium	62	-	-	-	-	-	72	-	-	-	-	84	36	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)	ND (0.4)	-	-	-	-	-	-	-	-
Cadmium	0.48	-	-	-	-	-	0.92	-	-	-	-	0.83	1.5	-	-	-	-	-	-	-	-
Chromium	23	-	-	-	-	-	14	-	-	-	-	9.9	8.6	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	360	-	-	-	-	-	110	-	-	-	-	93	28	-	-	-	-	-	-	-	-
Mercury	0.16	-	-	-	-	-	0.53	-	-	-	-	ND (0.018)	ND (0.022)	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	6.2	9.8	-	-	-	-	-	-	-	-
Selenium	ND (5.3)	-	-	-	-	-	ND (5.9)	-	-	-	-	ND (5.5)	ND (6.6)	-	-	-	-	-	-	-	-
Silver	ND (0.53)	-	-	-	-	-	ND (0.59)	-	-	-	-	ND (1.1)	ND (1.3)	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)	ND (6.6)	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	13	18	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	50	40	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.64	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	-	ND (0.89)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1221 (PCB-1221)	-	ND (0.89)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1232 (PCB-1232)	-	ND (0.89)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1242 (PCB-1242)	-	ND (0.89)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1248 (PCB-1248)	-	ND (0.89)	ND (0.1)	1	ND (0.12)	ND (0.12)	-	0.98	2.7	0.13	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1254 (PCB-1254)	-	ND (0.89)	ND (0.1)	2.2	ND (0.12)	ND (0.12)	-	0.51	2.2	0.14	ND (0.11)	5.6	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1260 (PCB-1260)	-	ND (0.89)	ND (0.1)	1.8	ND (0.12)	ND (0.12)	-	0.31	2.7	0.22	ND (0.11)	1.8	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1262 (PCB-1262)	-	ND (0.89)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
Aroclor-1268 (PCB-1268)	-	ND (0.89)	ND (0.1)	ND (0.41)	ND (0.12)	ND (0.12)	-	ND (0.11)	ND (0.55)	ND (0.12)	ND (0.11)	ND (0.042)	-	ND (0.053)	ND (0.054)	ND (0.054)	ND (0.05)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.047)
SUM of PCBs	-	ND	ND	5	ND	ND	-	1.8	7.6	0.49	ND	7.4	-	ND	ND	ND	ND	ND	ND	ND	ND
Other																					
Percent Solids, vol. (%wt)	90.2	87.7	95	96.4	81.8	80.1	83.4	92.9	90.5	83.4	92.9	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (3.9)	-	-	-	-	-	ND (4)	-	-	-	-	ND (50)	ND (50)	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	ND (19)	-	-	-	-	-	ND (20)	-	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	56	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	8	-	-	-	-	-	8	-	-	-	-	6.7	7	-	-	-	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		S14																
Location Name	S13	S14	S14	S14	S14	S14	S14	S14	S14A	S14A	S14A	S15	S15	S15	S15	S15	S15	S15
Sample Name	S13_S11_22-24	S14_S7_7.2-17.2	S14_S6_15.2-17.2	S14_S8_17.2-19.2	S14_S9_19.2-21.2	S14_S10_21.2-23.2	S14_S11_23.2-25.2	S14_S11_25.2-27.2	S14A_S4_15-20	S14A_S5_20-23.5	S14A_S6_23.5-27	S15_S1_0-6.3	S15_S2_6.3-7.3	S15_S3_7.3-9.3	S15_S4_9.3-11.3	S15_S5_11.3-13.3	S15_S6_13.3-15.3	S15_S8_6.3-16.3
Sample Date	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	01/04/2011	01/04/2011	01/04/2011	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010
										138940-37								
		133973-40							138940-34	138940-46	138940-38	133875-52						133923-10
		133973-52							138940-45	138940-56	138940-47	133875-64						133923-64
		133973-59							138940-55	139113-3	138940-57	133875-73						133923-75
Lab Sample ID	133923-29	134179-2	133973-39	133973-41	133973-42	133973-43	133973-44	133973-45	139113-7	139113-8	139113-9	134056-2	133875-29	133875-30	133875-31	133875-32	133875-33	134174-5
Sample Depth (bgs)	22 - 24 (ft)	7.2 - 17.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	25.2 - 27.2 (ft)	15 - 20 (ft)	20 - 23.5 (ft)	23.5 - 27 (ft)	0 - 6.3 (ft)	6.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	6.3 - 16.3 (ft)
Sample Elevation (ft BCB)	-4.9 to -6.9	10 to 0	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	2.2 to -2.8	-2.8 to -6.3	-6.3 to -9.8	17.3 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2	11 to 1
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	0.023	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,2,4-Trichlorobenzene	-	0.17	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,2,4-Trimethylbenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,2-Dichlorobenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,3,5-Trichlorobenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,3,5-Trimethylbenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,3-Dichlorobenzene	-	0.039	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
1,4-Dichlorobenzene	-	0.042	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Acetone	-	ND (0.29)	-	-	-	-	-	-	ND (0.25)	ND (0.35)	ND (0.64)	ND (2.9)	-	-	-	-	-	ND (0.28)
Benzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Chlorobenzene	-	0.06	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Chloroform (Trichloromethane)	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Cymene (p-Isopropyltoluene)	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Ethylbenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Isopropylbenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
m,p-Xylenes	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Methyl Tert Butyl Ether	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Methylene chloride	-	ND (0.072)	-	-	-	-	-	-	ND (0.061)	ND (0.087)	ND (0.16)	ND (1.2)	-	-	-	-	-	ND (0.069)
Naphthalene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	0.018	ND (0.016)	0.52	-	-	-	-	-	ND (0.007)
n-Propylbenzene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
o-Xylene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Styrene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Tetrachloroethene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Toluene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
Trichloroethene	-	ND (0.007)	-	-	-	-	-	-	ND (0.006)	ND (0.009)	ND (0.016)	ND (0.29)	-	-	-	-	-	ND (0.007)
SUM of Volatile Organic Compounds	-	0.334	-	-	-	-	-	-	ND	0.018	ND	0.52	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	16	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
1,2-Dichlorobenzene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
1,3-Dichlorobenzene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
1,4-Dichlorobenzene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
2,4-Dimethylphenol	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
2,4-Dinitrotoluene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
2,6-Dinitrotoluene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
2-Chloronaphthalene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
2-Methylnaphthalene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
2-Methylphenol	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
3&4-Methylphenol	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Acenaphthene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	0.74	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Acenaphthylene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Acetophenone	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Aniline	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Anthracene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	0.8	ND (0.79)	ND (0.72)	-	-	-	-	-	0.94
Benzo(a)anthracene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	1.4	ND (0.79)	ND (0.72)	-	-	-	-	-	0.77
Benzo(a)pyrene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	1.1	ND (0.79)	ND (0.72)	-	-	-	-	-	0.65
Benzo(b)fluoranthene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	1.3	ND (0.79)	ND (0.72)	-	-	-	-	-	0.69
Benzo(g,h,i)perylene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Benzo(k)fluoranthene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	0.53	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
bis(2-Ethylhexyl)phthalate	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Butyl benzylphthalate	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Carbazole	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Chrysene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	1.2	ND (0.79)	ND (0.72)	-	-	-	-	-	0.75
Dibenz(a,h)anthracene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Dibenzofuran	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Diethyl phthalate	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Di-n-butylphthalate	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Di-n-octyl phthalate	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Fluoranthene	-	ND (0.79)	-	-	-	-	-	-	1	2.4	ND (0.79)	1	-	-	-	-	-	2.1
Fluorene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	0.62
Indeno(1,2,3-cd)pyrene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Isophorone	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Naphthalene	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	0.58	ND (0.79)	ND (0.72)	-	-	-	-	-	1.1
N-Nitrosodiphenylamine	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Phenanthrene	-	ND (0.79)	-	-	-	-	-	-	1.4	1.2	ND (0.79)	0.84	-	-	-	-	-	2.8
Phenol	-	ND (0.79)	-	-	-	-	-	-	ND (0.46)	ND (0.46)	ND (0.79)	ND (0.72)	-	-	-	-	-	ND (0.43)
Pyrene	-	ND (0.79)	-	-	-	-	-	-	0.77	1.7	ND (0.79)	0.86	-	-	-	-	-	1.7
SUM of Semi-Volatile Organic Compounds	-	16	-	-	-	-	-	-	3.17	12.95	ND	2.7	-	-	-	-	-	12.12

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		S14																
Location Name	S13	S14	S14	S14	S14	S14	S14	S14	S14A	S14A	S14A	S15	S15	S15	S15	S15	S15	S15
Sample Name	S13_S11_22-24	S14_S7_7.2-17.2	S14_S6_15.2-17.2	S14_S8_17.2-19.2	S14_S9_19.2-21.2	S14_S10_21.2-23.2	S14_S11_23.2-25.2	S14_S11_25.2-27.2	14A_S4_15-20	14A_S5_20-23.5	14A_S6_23.5-27	S15_S1_0-6.3	S15_S2_6.3-7.3	S15_S3_7.3-9.3	S15_S4_9.3-11.3	S15_S5_11.3-13.3	S15_S6_13.3-15.3	S15_S8_6.3-16.3
Sample Date	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	01/04/2011	01/04/2011	01/04/2011	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010
										138940-37								
		133973-40							138940-34	138940-46	138940-38	133875-52						133923-10
		133973-52							138940-45	138940-56	138940-47	133875-64						133923-64
		133973-59							138940-55	139113-3	138940-57	133875-73						133923-75
Lab Sample ID	133923-29	134179-2	133973-39	133973-41	133973-42	133973-43	133973-44	133973-45	139113-7	139113-8	139113-9	134056-2	133875-29	133875-30	133875-31	133875-32	133875-33	134174-5
Sample Depth (bgs)	22 - 24 (ft)	7.2 - 17.2 (ft)	15.2 - 17.2 (ft)	17.2 - 19.2 (ft)	19.2 - 21.2 (ft)	21.2 - 23.2 (ft)	23.2 - 25.2 (ft)	25.2 - 27.2 (ft)	15 - 20 (ft)	20 - 23.5 (ft)	23.5 - 27 (ft)	0 - 6.3 (ft)	6.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	6.3 - 16.3 (ft)
Sample Elevation (ft BCB)	-4.9 to -6.9	10 to 0	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	2.2 to -2.8	-2.8 to -6.3	-6.3 to -9.8	17.3 to 11	11 to 10	10 to 8	8 to 6	6 to 4	4 to 2	11 to 1
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	320	-	-	-	-	-	-	43	100	85	570	-	-	-	-	-	190
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	180	-	-	-	-	-	-	ND (28)	41	63	950	-	-	-	-	-	220
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	40	-	-	-	-	-	-	ND (28)	ND (28)	ND (48)	530	-	-	-	-	-	ND (40)
Inorganic Compounds (mg/kg)																		
Antimony	-	2	-	-	-	-	-	-	4.7	4.1	4.2	9	-	-	-	-	-	ND (1.4)
Arsenic	-	ND (3.7)	-	-	-	-	-	-	ND (4.2)	ND (4.1)	ND (7.4)	ND (3.4)	-	-	-	-	-	6.4
Barium	-	58	-	-	-	-	-	-	80	100	64	37	-	-	-	-	-	72
Beryllium	-	ND (0.37)	-	-	-	-	-	-	ND (0.42)	ND (0.41)	ND (0.74)	ND (0.34)	-	-	-	-	-	ND (0.41)
Cadmium	-	1.2	-	-	-	-	-	-	1.6	1.7	1.8	1.1	-	-	-	-	-	1.5
Chromium	-	35	-	-	-	-	-	-	44	47	43	15	-	-	-	-	-	36
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-	ND (1)
Lead	-	32	-	-	-	-	-	-	37	220	39	830	-	-	-	-	-	53
Mercury	-	0.14	-	-	-	-	-	-	0.15	1.1	0.3	0.31	-	-	-	-	-	0.52
Nickel	-	23	-	-	-	-	-	-	29	20	30	16	-	-	-	-	-	23
Selenium	-	ND (6.1)	-	-	-	-	-	-	ND (7)	ND (6.9)	ND (12)	ND (5.7)	-	-	-	-	-	ND (6.8)
Silver	-	ND (1.2)	-	-	-	-	-	-	ND (1.4)	ND (1.4)	ND (2.5)	ND (1.1)	-	-	-	-	-	ND (1.4)
Thallium	-	ND (6.1)	-	-	-	-	-	-	ND (7)	ND (6.9)	ND (12)	ND (5.7)	-	-	-	-	-	ND (6.8)
Vanadium	-	43	-	-	-	-	-	-	67	50	71	24	-	-	-	-	-	44
Zinc	-	65	-	-	-	-	-	-	83	140	73	89	-	-	-	-	-	78
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	ND (0.3)	-	14	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
Aroclor-1221 (PCB-1221)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
Aroclor-1232 (PCB-1232)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
Aroclor-1242 (PCB-1242)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
Aroclor-1248 (PCB-1248)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
Aroclor-1254 (PCB-1254)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	3.9	ND (0.047)	ND (0.047)	0.089	ND (0.054)	ND (0.057)	-
Aroclor-1260 (PCB-1260)	ND (0.067)	-	0.45	0.87	0.27	0.32 p	3.1	0.32	-	-	-	3.5	ND (0.047)	ND (0.047)	0.055	ND (0.054)	ND (0.057)	-
Aroclor-1262 (PCB-1262)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
Aroclor-1268 (PCB-1268)	ND (0.067)	-	ND (0.046)	ND (0.049)	ND (0.047)	ND (0.057)	ND (0.05)	ND (0.12)	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)	ND (0.054)	ND (0.057)	-
SUM of PCBs	ND	-	0.45	0.87	0.27	0.32	3.1	0.32	-	-	-	7.4	ND	ND	0.144	ND	ND	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	165 >	165 >	165 >	165 >	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	410	510	480	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	8.3	-	-	-	-	-	-	7.1	7	6.9	7.4	-	-	-	-	-	7
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.4)	-	-	-	-	-	-	ND (1.8)	ND (1.8)	ND (4.4)	ND (1.1)	-	-	-	-	-	ND (1.6)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	3.4	-	-	-	-	-	-	ND (1.8)	2.2	ND (4.4)	7.8	-	-	-	-	-	ND (1.6)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.4)	-	-	-	-	-	-	ND (1.8)	ND (1.8)	ND (4.4)	5.6	-	-	-	-	-	ND (1.6)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	S15										S16				S17				
Location Name	S15	S15	S15	S15	S15	S15A	S15A	S15A	S15A	S15A	S16	S16	S16	S16	S17	S17	S17	S17	S18
Sample Name	S15_S7_15.3-17.3	S15_S9_17.3-19.3	S15_S10_19.3-21.3	S15_S11_21.3-23.3	S15_S12_23.3-25.3	S15A_S1_0.3-5.3	S15A_S2_0.3-1.3	S15A_S3_1.3-3.3	S15A_S4_3.3-5.3	S15A_S5_5.3-7.3	S16_S1_0.0-1.4	S16_S2_1.4-3.4	S16_S3_3.4-5.4	S16_S4_5.4-7.4	S17_S1_0.6-1.6	S17_S2_1.6-3.6	S17_S3_3.6-5.6	S17_S4_5.6-7.6	S18_S1_0.5-1.7
Sample Date	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	11/25/2015	11/25/2015	11/25/2015	11/25/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	12/16/2010
Lab Sample ID	133923-9	133923-11	133923-12	133923-13	133923-14	15B0269-01 15E0555-01	15B0269-02	15B0269-03	15B0624-01	15B0624-02	15K1254-01	15K1254-02	15K1254-03	15K1254-04	15K0704-20	15K0704-21	15K0704-22	15K0704-23	138653-45 138653-46 138653-67
Sample Depth (bgs)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.5 - 1.7 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 15.8
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Acetone	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)
Benzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Chlorobenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Ethylbenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Isopropylbenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
m,p-Xylenes	-	-	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0041)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Methylene chloride	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.05)
Naphthalene	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
n-Propylbenzene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
o-Xylene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Styrene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Tetrachloroethene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Toluene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
Trichloroethene	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
2,4-Dimethylphenol	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
2-Chloronaphthalene	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
2-Methylnaphthalene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
2-Methylphenol	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
3&4-Methylphenol	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Acenaphthene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Acenaphthylene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Acetophenone	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Aniline	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Anthracene	-	-	-	-	-	0.74	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Benzo(a)anthracene	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	0.56
Benzo(a)pyrene	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	0.46
Benzo(b)fluoranthene	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	0.61
Benzo(g,h,i)perylene	-	-	-	-	-	0.83	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Benzo(k)fluoranthene	-	-	-	-	-	0.73	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	0.37
Butyl benzylphthalate	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Chrysene	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	0.57
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Dibenzofuran	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Diethyl phthalate	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Di-n-butylphthalate	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Di-n-octyl phthalate	-	-	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Fluoranthene	-	-	-	-	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Fluorene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	0.95	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Isophorone	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Naphthalene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Phenanthrene	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	0.74
Phenol	-	-	-	-	-	ND (0.74)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)
Pyrene	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-	1.1
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	19.95	-	-	-	-	-	-	-	-	-	-	-	-	5.61

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	S15										S16				S17				
Location Name	S15	S15	S15	S15	S15	S15A	S15A	S15A	S15A	S15A	S16	S16	S16	S16	S17	S17	S17	S17	S18
Sample Name	S15_S7_15.3-17.3	S15_S9_17.3-19.3	S15_S10_19.3-21.3	S15_S11_21.3-23.3	S15_S12_23.3-25.3	S15A_S1_0.3-5.3	S15A_S2_0.3-1.3	S15A_S3_1.3-3.3	S15A_S4_3.3-5.3	S15A_S5_5.3-7.3	S16_S1_0.0-1.4	S16_S2_1.4-3.4	S16_S3_3.4-5.4	S16_S4_5.4-7.4	S17_S1_0.6-1.6	S17_S2_1.6-3.6	S17_S3_3.6-5.6	S17_S4_5.6-7.6	S18_S1_0.5-1.7
Sample Date	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	11/25/2015	11/25/2015	11/25/2015	11/25/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	12/16/2010
Lab Sample ID	133923-9	133923-11	133923-12	133923-13	133923-14	15B0269-01 15E0555-01	15B0269-02	15B0269-03	15B0624-01	15B0624-02	15K1254-01	15K1254-02	15K1254-03	15K1254-04	15K0704-20	15K0704-21	15K0704-22	15K0704-23	138653-45 138653-46 138653-67
Sample Depth (bgs)	15.3 - 17.3 (ft)	17.3 - 19.3 (ft)	19.3 - 21.3 (ft)	21.3 - 23.3 (ft)	23.3 - 25.3 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.4 (ft)	1.4 - 3.4 (ft)	3.4 - 5.4 (ft)	5.4 - 7.4 (ft)	0.6 - 1.6 (ft)	1.6 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	0.5 - 1.7 (ft)
Sample Elevation (ft BCB)	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17 to 15.8
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	6900	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (21)
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
Arsenic	-	-	-	-	-	4.3	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.3)
Barium	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	27
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)
Cadmium	-	-	-	-	-	0.61	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.55)
Chromium	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	9.3
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	3300	-	-	-	-	-	-	-	-	-	-	-	-	18
Mercury	-	-	-	-	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	0.057
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Selenium	-	-	-	-	-	ND (5.4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)
Silver	-	-	-	-	-	ND (0.54)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.5)
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
Aroclor-1221 (PCB-1221)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
Aroclor-1232 (PCB-1232)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
Aroclor-1242 (PCB-1242)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
Aroclor-1248 (PCB-1248)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	0.25	0.46	ND (2.1)	0.19	ND (0.1)	3.4	0.12	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
Aroclor-1254 (PCB-1254)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	0.16	0.96	17	0.35	ND (0.1)	6.2	0.31	ND (0.12)	ND (0.1)	0.46	ND (0.12)	ND (0.12)	0.09
Aroclor-1260 (PCB-1260)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	0.12	2.4	5.4	0.17	0.11	3.1	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	0.06
Aroclor-1262 (PCB-1262)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
Aroclor-1268 (PCB-1268)	ND (0.065)	ND (0.058)	ND (0.079)	ND (0.077)	ND (0.052)	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (1.1)	ND (0.1)	ND (0.12)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.043)
SUM of PCBs	ND	ND	ND	ND	ND	-	0.53	3.82	22.4	0.71	0.11	12.7	0.43	ND	ND	0.46	ND	ND	0.15
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	91.4	94.7	94.2	91.4	94.7	95.5	90.2	95.8	82.1	95.9	91	82.5	80.9	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	8.8	-	-	-	-	-	-	-	-	-	-	-	-	6.8
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	S18									T11		T12				T13			
Location Name	S18	S18	S18	S18	S18	S18	S18	S18	S18	T11	T11	T12	T12	T12	T12	T13	T13	T13	T13
Sample Name	S18_S2_3.5-5.5	S18_S3_3.5-13.5	S18_S3_5.5-7.5	S18_S4_7.5-9.5	S18_S5_9.5-11.5	S18_S6_11.5-13.5	S18_S7_13.5-15.5	S18_S8_15.5-17.5	S18_S9_17.5-19.5	T11_S1_0.5-4.5	T11_S2_0.5-2.5	T12_S1_0-0.5	T12_S2_0.5-2.5	T12_S3_2.5-4.5	T12_S4_4.5-6.5	T13_S1_0-0.6	T13_S2_0.6-2.6	T13_S3_2.6-4.6	T13_S4_4.6-6.6
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	02/07/2015	02/07/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015
Lab Sample ID	138653-1	138653-47 138653-57 138653-68	138653-2	138653-3	138653-4	138653-5	138653-6	138653-7	138653-8	15B0266-01 15D0958-01	15B0266-02	15K1179-17	15K1179-18	15K1179-19	15K1179-20	15K1182-03	15K1182-04	15K1182-05	15K1182-06
Sample Depth (bgs)	3.5 - 5.5 (ft)	3.5 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	0.5 - 4.5 (ft)	0.5 - 2.5 (ft)	0 - 0.5 (ft)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)
Sample Elevation (ft BCB)	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	16 to 12	16 to 14	16.5 to 16	16 to 14	14 to 12	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Acetone	-	ND (2.5)	-	-	-	-	-	-	-	ND (0.068)	-	-	-	-	-	-	-	-	-
Benzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0027)	-	-	-	-	-	-	-	-	-
Methylene chloride	-	ND (1)	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	-	-	-
Naphthalene	-	0.37	-	-	-	-	-	-	-	ND (0.0068)	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
o-Xylene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Styrene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Toluene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
Trichloroethene	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.0014)	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	0.37	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Acenaphthene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
Acetophenone	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Aniline	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Anthracene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	ND (0.42)	-	-	-	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	ND (0.42)	-	-	-	-	-	-	-	0.41	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	ND (0.42)	-	-	-	-	-	-	-	0.43	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	ND (0.42)	-	-	-	-	-	-	-	0.33	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Carbazole	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	ND (0.42)	-	-	-	-	-	-	-	0.42	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.75)	-	-	-	-	-	-	-	-	-
Fluoranthene	-	0.78	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-	-	-	-
Fluorene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.42)	-	-	-	-	-	-	-	0.27	-	-	-	-	-	-	-	-	-
Isophorone	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Naphthalene	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	0.99	-	-	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-
Phenol	-	ND (0.42)	-	-	-	-	-	-	-	ND (0.38)	-	-	-	-	-	-	-	-	-
Pyrene	-	0.72	-	-	-	-	-	-	-	0.77	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	2.49	-	-	-	-	-	-	-	4.17	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	S18									T11		T12				T13			
Location Name	S18	S18	S18	S18	S18	S18	S18	S18	S18	T11	T11	T12	T12	T12	T12	T13	T13	T13	T13
Sample Name	S18_S2_3.5-5.5	S18_S3_3.5-13.5	S18_S3_5.5-7.5	S18_S4_7.5-9.5	S18_S5_9.5-11.5	S18_S6_11.5-13.5	S18_S7_13.5-15.5	S18_S8_15.5-17.5	S18_S9_17.5-19.5	T11_S1_0.5-4.5	T11_S2_0.5-2.5	T12_S1_0-0.5	T12_S2_0.5-2.5	T12_S3_2.5-4.5	T12_S4_4.5-6.5	T13_S1_0-0.6	T13_S2_0.6-2.6	T13_S3_2.6-4.6	T13_S4_4.6-6.6
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	02/07/2015	02/07/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015	11/24/2015
Lab Sample ID	138653-1	138653-47 138653-57 138653-68	138653-2	138653-3	138653-4	138653-5	138653-6	138653-7	138653-8	15B0266-01 15D0958-01	15B0266-02	15K1179-17	15K1179-18	15K1179-19	15K1179-20	15K1182-03	15K1182-04	15K1182-05	15K1182-06
Sample Depth (bgs)	3.5 - 5.5 (ft)	3.5 - 13.5 (ft)	5.5 - 7.5 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	15.5 - 17.5 (ft)	17.5 - 19.5 (ft)	0.5 - 4.5 (ft)	0.5 - 2.5 (ft)	0 - 0.5 (ft)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)
Sample Elevation (ft BCB)	14 to 12	14 to 4	12 to 10	10 to 8	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	16 to 12	16 to 14	16.5 to 16	16 to 14	14 to 12	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	370	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	ND (3.8)	-	-	-	-	-	-	-	ND (3)	-	-	-	-	-	-	-	-	-
Barium	-	40	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-
Beryllium	-	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	0.88	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-
Chromium	-	21	-	-	-	-	-	-	-	8.1	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	38	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-
Mercury	-	0.3	-	-	-	-	-	-	-	0.073	-	-	-	-	-	-	-	-	-
Nickel	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (6.4)	-	-	-	-	-	-	-	ND (6.1)	-	-	-	-	-	-	-	-	-
Silver	-	ND (1.3)	-	-	-	-	-	-	-	ND (0.61)	-	-	-	-	-	-	-	-	-
Thallium	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1221 (PCB-1221)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1232 (PCB-1232)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1242 (PCB-1242)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1248 (PCB-1248)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	0.4	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1254 (PCB-1254)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	0.56	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1260 (PCB-1260)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	0.39	ND (0.12)	ND (0.12)	ND (0.1)	0.18	ND (0.13)	ND (0.13)
Aroclor-1262 (PCB-1262)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
Aroclor-1268 (PCB-1268)	ND (0.051)	-	ND (0.048)	ND (0.052)	ND (0.049)	ND (0.051)	ND (0.053)	ND (0.048)	ND (0.058)	-	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.13)	ND (0.13)
SUM of PCBs	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	1.35	ND	ND	ND	0.18	ND	ND
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	89.3	95.1	97.4	96.6	84.4	81.3	97.1	85.2	77.4	75.2
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	6.9	-	-	-	-	-	-	-	8.7	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	T14													T15								
Location Name	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T15	T15	T15	T15	T15	T15	T15	T15	T15
Sample Name	T14_S1_1-2.3	T14_S2_1-5	T14_S3_3.5-5.0	T14_S4_5-7	T14_S7_5-10	T14_S5_7-9	T14_S6_9-11	T14_S9_10-15	T14_S8_11-13	T14_S10_13-15	T14_S11_15-17	T14_S13_15-20	T14_S12_17-19	T15_S1_1-5	T15_S2_5-7	T15_S4_5-10	T15_S3_7-9	T15_S5_9-11	T15_S7_10-15	T15_S6_11-13	T15_S8_13-15	T15_S9_15-17
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
		138653-48			138653-49			138653-50				138653-51		138653-27		138653-53						
		138653-58			138653-59			138653-60				138653-61		138653-52		138653-63			138653-54			
		138653-69			138653-70			138653-71				138653-72		138653-62		138653-74			138653-64			
Lab Sample ID	138653-18	138803-1	138653-19	138653-20	138803-4	138653-21	138653-22	138803-5	138653-23	138653-24	138653-25	138803-6	138653-26	138653-73	138653-28	138803-7	138653-29	138653-30	138653-75	138653-31	138653-32	138653-33
Sample Depth (bgs)	1 - 2.3 (ft)	1 - 5 (ft)	3.5 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 20 (ft)	17 - 19 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)	16 to 14.7	16 to 12	13.5 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0	2 to -3	0 to -2	16 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,2-Dichlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,3-Dichlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
1,4-Dichlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Acetone	-	ND (0.25)	-	-	ND (0.24)	-	-	ND (0.33)	-	-	-	ND (0.21)	-	ND (0.22)	-	ND (0.22)	-	-	ND (0.24)	-	-	-
Benzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Chlorobenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Chloroform (Trichloromethane)	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Ethylbenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Isopropylbenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
m,p-Xylenes	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Methyl Tert Butyl Ether	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Methylene chloride	-	ND (0.064)	-	-	ND (0.061)	-	-	ND (0.082)	-	-	-	ND (0.053)	-	ND (0.054)	-	ND (0.055)	-	-	ND (0.06)	-	-	-
Naphthalene	-	0.007	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
n-Propylbenzene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
o-Xylene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Styrene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Tetrachloroethene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Toluene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
Trichloroethene	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)	-	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.006)	-	-	-
SUM of Volatile Organic Compounds	-	0.007	-	-	ND	-	-	ND	-	-	-	ND	-	ND	-	ND	-	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
1,2-Dichlorobenzene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
1,3-Dichlorobenzene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
1,4-Dichlorobenzene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
2,4-Dimethylphenol	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
2,4-Dinitrotoluene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
2,6-Dinitrotoluene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
2-Chloronaphthalene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
2-Methylnaphthalene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
2-Methylphenol	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
3&4-Methylphenol	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Acenaphthene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Acenaphthylene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Acetophenone	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Aniline	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Anthracene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Benzo(a)anthracene	-	ND (0.38)	-	-	0.6	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.43	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Benzo(a)pyrene	-	ND (0.38)	-	-	0.51	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.41	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Benzo(b)fluoranthene	-	ND (0.38)	-	-	0.56	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.61	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Benzo(g,h,i)perylene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Benzo(k)fluoranthene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Butyl benzylphthalate	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Carbazole	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Chrysene	-	ND (0.38)	-	-	0.58	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.49	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Dibenz(a,h)anthracene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Dibenzofuran	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Diethyl phthalate	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Di-n-butylphthalate	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Di-n-octyl phthalate	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Fluoranthene	-	ND (0.38)	-	-	1.1	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.81	-	ND (0.42)	-	-	0.63	-	-	-
Fluorene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Isophorone	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Naphthalene	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
N-Nitrosodiphenylamine	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Phenanthrene	-	ND (0.38)	-	-	0.77	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.52	-	ND (0.42)	-	-	0.49	-	-	-
Phenol	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)	-	-	-	ND (0.43)	-	ND (0.36)	-	ND (0.42)	-	-	ND (0.45)	-	-	-
Pyrene	-	ND (0.38)	-	-	1	-	-	ND (0.43)	-	-	-	ND (0.43)	-	0.69	-	ND (0.42)	-	-	0.6	-	-	-
SUM of Semi-Volatile Organic Compounds	-	ND	-	-	5.12	-	-	ND	-	-	-	ND	-	3.96	-	ND	-	-	1.72	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	T14													T15								
Location Name	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T14	T15	T15	T15	T15	T15	T15	T15	T15	T15
Sample Name	T14_S1_1-2.3	T14_S2_1-5	T14_S3_3.5-5.0	T14_S4_5-7	T14_S7_5-10	T14_S5_7-9	T14_S6_9-11	T14_S9_10-15	T14_S8_11-13	T14_S10_13-15	T14_S11_15-17	T14_S13_15-20	T14_S12_17-19	T15_S1_1-5	T15_S2_5-7	T15_S4_5-10	T15_S3_7-9	T15_S5_9-11	T15_S7_10-15	T15_S6_11-13	T15_S8_13-15	T15_S9_15-17
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
		138653-48			138653-49			138653-50				138653-51		138653-27		138653-53						
		138653-58			138653-59			138653-60				138653-61		138653-52		138653-63			138653-54			
		138653-69			138653-70			138653-71				138653-72		138653-62		138653-74			138653-64			
Lab Sample ID	138653-18	138803-1	138653-19	138653-20	138803-4	138653-21	138653-22	138803-5	138653-23	138653-24	138653-25	138803-6	138653-26	138653-73	138653-28	138803-7	138653-29	138653-30	138653-75	138653-31	138653-32	138653-33
Sample Depth (bgs)	1 - 2.3 (ft)	1 - 5 (ft)	3.5 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)	15 - 20 (ft)	17 - 19 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)	11 - 13 (ft)	13 - 15 (ft)	15 - 17 (ft)
Sample Elevation (ft BCB)	16 to 14.7	16 to 12	13.5 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0	2 to -3	0 to -2	16 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2	6 to 4	4 to 2	2 to 0
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	330	-	-	83	-	-	ND (25)	-	-	-	ND (26)	-	92	-	60	-	-	79	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	340	-	-	45	-	-	ND (25)	-	-	-	ND (26)	-	140	-	38	-	-	62	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	55	-	-	ND (27)	-	-	ND (25)	-	-	-	ND (26)	-	ND (22)	-	ND (25)	-	-	ND (28)	-	-	-
Inorganic Compounds (mg/kg)																						
Antimony	-	ND (1.1)	-	-	ND (1.3)	-	-	1.5	-	-	-	2.6	-	ND (1.1)	-	ND (1.3)	-	-	2.6	-	-	-
Arsenic	-	7.6	-	-	ND (4)	-	-	9.5	-	-	-	15	-	ND (3.3)	-	ND (3.9)	-	-	4.2	-	-	-
Barium	-	28	-	-	78	-	-	73	-	-	-	76	-	26	-	56	-	-	65	-	-	-
Beryllium	-	ND (0.34)	-	-	ND (0.4)	-	-	ND (0.39)	-	-	-	ND (0.41)	-	ND (0.33)	-	ND (0.39)	-	-	ND (0.41)	-	-	-
Cadmium	-	0.64	-	-	2.1	-	-	1.4	-	-	-	1.7	-	0.95	-	1.3	-	-	1.3	-	-	-
Chromium	-	7.8	-	-	44	-	-	35	-	-	-	45	-	19	-	30	-	-	28	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	-	ND (1)	-	-	-	ND (1)	-	-	-	ND (1)	-	-	-	-	-	-
Lead	-	110	-	-	36	-	-	76	-	-	-	25	-	59	-	74	-	-	92	-	-	-
Mercury	-	0.082	-	-	0.78	-	-	0.4	-	-	-	ND (0.022)	-	0.17	-	0.24	-	-	0.24	-	-	-
Nickel	-	11	-	-	30	-	-	25	-	-	-	31	-	13	-	19	-	-	18	-	-	-
Selenium	-	ND (5.6)	-	-	ND (6.7)	-	-	ND (6.5)	-	-	-	ND (6.9)	-	ND (5.5)	-	ND (6.6)	-	-	ND (6.8)	-	-	-
Silver	-	ND (1.1)	-	-	ND (1.3)	-	-	ND (1.3)	-	-	-	ND (1.4)	-	ND (1.1)	-	ND (1.3)	-	-	ND (1.4)	-	-	-
Thallium	-	ND (5.6)	-	-	ND (6.7)	-	-	ND (6.5)	-	-	-	ND (6.9)	-	ND (5.5)	-	ND (6.6)	-	-	ND (6.8)	-	-	-
Vanadium	-	23	-	-	70	-	-	54	-	-	-	70	-	38	-	48	-	-	47	-	-	-
Zinc	-	34	-	-	79	-	-	83	-	-	-	71	-	64	-	67	-	-	74	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1221 (PCB-1221)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1232 (PCB-1232)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1242 (PCB-1242)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1248 (PCB-1248)	28	-	0.056	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1254 (PCB-1254)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1260 (PCB-1260)	13	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	5.4	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1262 (PCB-1262)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
Aroclor-1268 (PCB-1268)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-	ND (0.055)	ND (0.052)	ND (0.056)	-	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	-	ND (0.055)	ND (0.058)	ND (0.086)
SUM of PCBs	41	-	0.056	ND	-	ND	ND	-	ND	ND	ND	-	ND	5.4	ND	-	ND	ND	-	ND	ND	ND
Other																						
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	165 >	-	-	165 >	-	-	-	165 >	-	165 >	-	165 >	-	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	ND (50)	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	-	ND (50)	-	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	ND (100)	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	-	ND (100)	-	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	410	-	-	450	-	-	-	430	-	-	-	510	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	6.9	-	-	6.9	-	-	7.4	-	-	-	6.9	-	6.9	-	6.8	-	-	6.9	-	-	-
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	5.7	-	ND (1.6)	-	-	ND (1.8)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	1.6	-	ND (1.6)	-	-	ND (1.8)	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)	-	-	-	ND (1.5)	-	4.9	-	ND (1.6)	-	-	ND (1.8)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		T16				T17					U11							U12			
Location Name	T15	T16	T16	T16	T16	T17	T17	T17	T17	T17	U11	U11	U11	U12	U12	U12	U12	U12	U12	U12	U12
Sample Name	T15_S10_17-19	T16_S1_0.0-1.1	T16_S2_1.1-3.1	T16_S3_3.1-5.1	T16_S4_5.1-7.1	T17_S1_0-5.3	T17_S2_0-1.3	T17_S3_1.3-3.3	T17_S4_3.3-5.3	T17_S5_5.3-7.3	U11_S1_0-2.1	U11_S2_2.1-4.1	U11_S3_4.1-6.1	U12_S1_0.5-4.5	Z12_S1_0.5-4.5	U12_S2_4.5-6.0	U12_S6_4.5-14.5	U12_S3_6-8	U12_S4_8-10	U12_S5_10-12	U12_S6_12-14
Sample Date	12/16/2010	11/25/2015	11/25/2015	11/25/2015	11/25/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	11/24/2015	11/24/2015	11/24/2015	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	138653-34	15K1254-07	15K1254-08	15K1254-09	15K1254-10	15A0709-01 15A0914-01	15A0709-02	15A0709-03	15B0078-01	15B0078-02	15K1175-18	15K1175-19	15K1179-01	138861-34 138861-49 138861-54 139112-1	138861-17	138861-10	138861-44 138861-50 138861-55	138861-11	138861-12	138861-13	138861-14
Sample Depth (bgs)	17 - 19 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	0 - 5.3 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.5 - 4.5 (ft)	0.5 - 4.5 (ft)	4.5 - 6 (ft)	4.5 - 14.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)	0 to -2	17.1 to 16	16 to 14	14 to 12	12 to 10	17.3 to 12	17.3 to 16	16 to 14	14 to 12	12 to 10	16.1 to 14	14 to 12	12 to 10	15.7 to 11.7	15.7 to 11.7	11.7 to 10.2	11.7 to 1.7	10.2 to 8.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0045)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0045)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Acetone	-	-	-	-	-	ND (0.11)	-	-	-	-	-	-	-	ND (0.22)	-	-	ND (0.24)	-	-	-	-
Benzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Chlorobenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0045)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Ethylbenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Isopropylbenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
m,p-Xylenes	-	-	-	-	-	ND (0.0045)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0045)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Methylene chloride	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	ND (0.056)	-	-	ND (0.059)	-	-	-	-
Naphthalene	-	-	-	-	-	ND (0.011)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
n-Propylbenzene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
o-Xylene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Styrene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Tetrachloroethene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Toluene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
Trichloroethene	-	-	-	-	-	ND (0.0022)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
2-Methylphenol	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Acenaphthene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Acenaphthylene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Acetophenone	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Aniline	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Anthracene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	0.32	-	-	-	-	-	-	-	0.41	-	-	ND (0.41)	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	0.33	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	0.48	-	-	-	-	-	-	-	0.46	-	-	ND (0.41)	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	0.53	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Chrysene	-	-	-	-	-	0.48	-	-	-	-	-	-	-	0.44	-	-	ND (0.41)	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Dibenzofuran	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.86)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Fluoranthene	-	-	-	-	-	0.59	-	-	-	-	-	-	-	0.8	-	-	0.56	-	-	-	-
Fluorene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	0.22	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Isophorone	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Naphthalene	-	-	-	-	-	ND (0.22)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Phenanthrene	-	-	-	-	-	0.39	-	-	-	-	-	-	-	0.67	-	-	0.49	-	-	-	-
Phenol	-	-	-	-	-	ND (0.44)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.41)	-	-	-	-
Pyrene	-	-	-	-	-	0.63	-	-	-	-	-	-	-	0.74	-	-	0.52	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	3.97	-	-	-	-	-	-	-	3.52	-	-	1.57	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid		T16				T17					U11			U12							
Location Name	T15	T16	T16	T16	T16	T17	T17	T17	T17	T17	U11	U11	U11	U12	U12	U12	U12	U12	U12	U12	U12
Sample Name	T15_S10_17-19	T16_S1_0.0-1.1	T16_S2_1.1-3.1	T16_S3_3.1-5.1	T16_S4_5.1-7.1	T17_S1_0-5.3	T17_S2_0-1.3	T17_S3_1.3-3.3	T17_S4_3.3-5.3	T17_S5_5.3-7.3	U11_S1_0-2.1	U11_S2_2.1-4.1	U11_S3_4.1-6.1	U12_S1_0.5-4.5	Z12_S1_0.5-4.5	U12_S2_4.5-6.0	U12_S6_4.5-14.5	U12_S3_6-8	U12_S4_8-10	U12_S5_10-12	U12_S6_12-14
Sample Date	12/16/2010	11/25/2015	11/25/2015	11/25/2015	11/25/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	01/22/2015	11/24/2015	11/24/2015	11/24/2015	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010
Lab Sample ID	138653-34	15K1254-07	15K1254-08	15K1254-09	15K1254-10	15A0709-01 15A0914-01	15A0709-02	15A0709-03	15B0078-01	15B0078-02	15K1175-18	15K1175-19	15K1179-01	138861-34 138861-49 138861-54 139112-1	138861-17	138861-10	138861-44 138861-50 138861-55	138861-11	138861-12	138861-13	138861-14
Sample Depth (bgs)	17 - 19 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	0 - 5.3 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)	0.5 - 4.5 (ft)	0.5 - 4.5 (ft)	4.5 - 6 (ft)	4.5 - 14.5 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Sample Elevation (ft BCB)	0 to -2	17.1 to 16	16 to 14	14 to 12	12 to 10	17.3 to 12	17.3 to 16	16 to 14	14 to 12	12 to 10	16.1 to 14	14 to 12	12 to 10	15.7 to 11.7	15.7 to 11.7	11.7 to 10.2	11.7 to 1.7	10.2 to 8.2	8.2 to 6.2	6.2 to 4.2	4.2 to 2.2
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	-	28	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-	-	ND (25)	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (23)	-	-	ND (25)	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	1.7	-	-	-	-
Arsenic	-	-	-	-	-	7.5	-	-	-	-	-	-	-	ND (3.4)	-	-	ND (4)	-	-	-	-
Barium	-	-	-	-	-	45	-	-	-	-	-	-	-	33	-	-	89	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.4)	-	-	-	-
Cadmium	-	-	-	-	-	0.86	-	-	-	-	-	-	-	1.6	-	-	ND (0.66)	-	-	-	-
Chromium	-	-	-	-	-	45	-	-	-	-	-	-	-	7.8	-	-	4.2	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	190	-	-	-	-	-	-	-	180	-	-	28	-	-	-	-
Mercury	-	-	-	-	-	0.1	-	-	-	-	-	-	-	0.48	-	-	0.25	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	ND (6.6)	-	-	-	-
Selenium	-	-	-	-	-	ND (6.2)	-	-	-	-	-	-	-	ND (5.7)	-	-	ND (6.6)	-	-	-	-
Silver	-	-	-	-	-	ND (0.62)	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.3)	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	-	ND (6.6)	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	11	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	57	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	0.35	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1221 (PCB-1221)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1232 (PCB-1232)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1242 (PCB-1242)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1248 (PCB-1248)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	0.2	0.26	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1254 (PCB-1254)	ND (0.07)	ND (0.11)	0.26	ND (0.13)	ND (0.13)	-	0.18	0.49	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	2.1	3.8	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1260 (PCB-1260)	ND (0.07)	ND (0.11)	0.21	ND (0.13)	ND (0.13)	-	0.18	0.42	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	2	3.5	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1262 (PCB-1262)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
Aroclor-1268 (PCB-1268)	ND (0.07)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.13)	-	ND (0.1)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.9)	ND (0.05)	-	ND (0.055)	ND (0.052)	ND (0.053)	ND (0.052)
SUM of PCBs	ND	ND	0.47	ND	ND	-	0.56	1.17	ND	ND	ND	ND	ND	4.1	7.3	ND	-	ND	ND	ND	ND
Other																					
Percent Solids, vol. (%wt)	-	94.8	86.3	78.6	78.8	77.3	95.7	94	79.1	74.8	89.3	76.5	76.2	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (4)	-	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	6.8	-	-	-	-	-	-	-	7.3	-	-	6.9	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.6)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	ND (1.6)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-	-	ND (1.6)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						U13				U14							U15				
Location Name	U12	U12	U12	U12	U12	U13	U13	U13	U13	U14	U14	U14	U14	U14	U14	U14	U15	U15	U15A	U16	U16
Sample Name	U12_S7_14-16	U12_S8_16-18	U12_S9_18-20	U12_S10_20-23	U12_S11_23-26	U13_S1_0.0-2.4	U13_S2_2.4-4.4	U13_S3_4.4-6.4	Z13_S3_4.4-6.4	U14_S1_0.5-1.5	U14_S2_3-5	U14_S3_5-7	X14_S3_5-7	U14_S4_7-9	U14_S5_9-11	U14_S6_11-13	U15_S5_9-11	U15_S6_11-13	U15A_S2_4.8-10.8	U16_S1_0.5-1.5	U16_S2_3-5
Sample Date	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/16/2010	12/16/2010	02/07/2015	01/11/2011	01/11/2011
Lab Sample ID	138861-15	138861-16	138861-18	138861-19	138861-20	15K1179-10	15K1179-11	15K1179-12	15K1179-15	139069-15	139103-1	139103-2	139103-3	139103-4	139103-5	139103-6	138653-13	138653-14	15B0267-02 15D0959-02	139103-7	139103-8
Sample Depth (bgs)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 23 (ft)	23 - 26 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	4.8 - 10.8 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)
Sample Elevation (ft BCB)	2.2 to 0.2	0.2 to -1.8	-1.8 to -3.8	-3.8 to -6.8	-6.8 to -9.8	16.4 to 14	14 to 12	12 to 10	12 to 10	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	7.8 to 5.8	5.8 to 3.8	12 to 6	16.5 to 15.5	14 to 12
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0019	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.073)	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.019	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0073)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0073)	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0015)	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0239	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.21)	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.83)	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.42)	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.87	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						U13				U14							U15				
Location Name	U12	U12	U12	U12	U12	U13	U13	U13	U13	U14	U14	U14	U14	U14	U14	U14	U15	U15	U15A	U16	U16
Sample Name	U12_S7_14-16	U12_S8_16-18	U12_S9_18-20	U12_S10_20-23	U12_S11_23-26	U13_S1_0.0-2.4	U13_S2_2.4-4.4	U13_S3_4.4-6.4	Z13_S3_4.4-6.4	U14_S1_0.5-1.5	U14_S2_3-5	U14_S3_5-7	X14_S3_5-7	U14_S4_7-9	U14_S5_9-11	U14_S6_11-13	U15_S5_9-11	U15_S6_11-13	U15A_S2_4.8-10.8	U16_S1_0.5-1.5	U16_S2_3-5
Sample Date	12/29/2010	12/29/2010	12/29/2010	12/29/2010	12/29/2010	11/24/2015	11/24/2015	11/24/2015	11/24/2015	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/16/2010	12/16/2010	02/07/2015	01/11/2011	01/11/2011
Lab Sample ID	138861-15	138861-16	138861-18	138861-19	138861-20	15K1179-10	15K1179-11	15K1179-12	15K1179-15	139069-15	139103-1	139103-2	139103-3	139103-4	139103-5	139103-6	138653-13	138653-14	15B0267-02 15D0959-02	139103-7	139103-8
Sample Depth (bgs)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 23 (ft)	23 - 26 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	4.4 - 6.4 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	4.8 - 10.8 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)
Sample Elevation (ft BCB)	2.2 to 0.2	0.2 to -1.8	-1.8 to -3.8	-3.8 to -6.8	-6.8 to -9.8	16.4 to 14	14 to 12	12 to 10	12 to 10	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	7.8 to 5.8	5.8 to 3.8	12 to 6	16.5 to 15.5	14 to 12
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	960	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.1)	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.61)	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1221 (PCB-1221)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1232 (PCB-1232)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1242 (PCB-1242)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1248 (PCB-1248)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1254 (PCB-1254)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	2.7	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1260 (PCB-1260)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	0.18	ND (0.13)	ND (0.13)	1.9	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	37	0.35	-	ND (0.043)	ND (0.049)
Aroclor-1262 (PCB-1262)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
Aroclor-1268 (PCB-1268)	ND (0.053)	ND (0.056)	ND (0.053)	ND (0.056)	ND (0.049)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (0.055)	ND (5.5)	ND (0.052)	-	ND (0.043)	ND (0.049)
SUM of PCBs	ND	ND	ND	ND	ND	ND	0.18	ND	ND	4.6	ND	ND	ND	ND	ND	ND	37	0.35	-	ND	ND
Other																					
Percent Solids, vol. (%wt)	-	-	-	-	-	88.4	83.4	78.4	74.8	-	-	-	-	-	-	-	-	-	82.4	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	U16					U17				U18		V11		V12								
Location Name	U16	U16	U16	U16	U16	U17	U17	U17	U17	U18	U18	V11	V11	V12	V12	V12	V12	V12	V12	V12	V13	V13
Sample Name	U16_S3_5-7	X16_S3_5-7	U16_S4_7-9	U16_S5_9-11	U16_S6_11-13	U17_S1_0-1.2	U17_S2_1.2-3.2	U17_S3_3.2-5.2	U17_S4_5.2-7.2	U18_S1_1.0-5.1	U18_S2_1.1-3.1	V11_S1_0-4	V11_S2_0-2	V12_S1_0-2	Z4_S1_0-2	V12_S2_2-4	Z4_S2_2-4	V12_S3_4-6	Z4_S3_4-6	V12_S4_6-8	V13_S1_1-4.5	V13_S2_4.5-6.5
Sample Date	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	01/22/2015	01/22/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/14/2011	01/14/2011
Lab Sample ID	139103-9	139103-10	139103-11	139103-12	139103-13	15K0704-08	15K0704-09	15K0704-10	15K0704-11	15A0712-01	15A0712-02	15A0875-01 15B0028-01	15A0875-02	15A0870-01	15A0835-01	15A0870-02	15A0835-02	15A0870-03	15A0835-03	15B0178-01	139182-8	139182-9
Sample Depth (bgs)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1 - 5.1 (ft)	1.1 - 3.1 (ft)	0 - 4 (ft)	0 - 2 (ft)	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	1 - 4.5 (ft)	4.5 - 6.5 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	17.2 to 16	16 to 14	14 to 12	12 to 10	16.1 to 12	16 to 14	15.9 to 11.9	15.9 to 13.9	16.1 to 14.1	16.1 to 14.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	12.1 to 10.1	10.1 to 8.1	15.5 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	ND (0.071)	-	ND (0.089)	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0035)	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.0071)	-	ND (0.0089)	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.0071)	-	ND (0.0089)	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0029)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.0014)	-	ND (0.0018)	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	0.55	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	0.47	-	0.22	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	0.39	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	0.5	-	0.35	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	0.48	-	0.51	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	ND (1.5)	-	ND (0.85)	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	0.84	-	0.46	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	ND (0.22)	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.39)	-	0.36	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	0.51	-	0.85	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	ND (0.79)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	0.92	-	0.47	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	4.11	-	3.77	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	U16					U17				U18		V11		V12							V13	
Location Name	U16	U16	U16	U16	U16	U17	U17	U17	U17	U18	U18	V11	V11	V12	V12	V12	V12	V12	V12	V12	V13	V13
Sample Name	U16_S3_5-7	X16_S3_5-7	U16_S4_7-9	U16_S5_9-11	U16_S6_11-13	U17_S1_0-1.2	U17_S2_1.2-3.2	U17_S3_3.2-5.2	U17_S4_5.2-7.2	U18_S1_1.0-5.1	U18_S2_1.1-3.1	V11_S1_0-4	V11_S2_0-2	V12_S1_0-2	Z4_S1_0-2	V12_S2_2-4	Z4_S2_2-4	V12_S3_4-6	Z4_S3_4-6	V12_S4_6-8	V13_S1_1-4.5	V13_S2_4.5-6.5
Sample Date	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	01/22/2015	01/22/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/14/2011	01/14/2011
Lab Sample ID	139103-9	139103-10	139103-11	139103-12	139103-13	15K0704-08	15K0704-09	15K0704-10	15K0704-11	15A0712-01	15A0712-02	15A0875-01 15B0028-01	15A0875-02	15A0870-01	15A0835-01	15A0870-02	15A0835-02	15A0870-03	15A0835-03	15B0178-01	139182-8	139182-9
Sample Depth (bgs)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	0 - 1.2 (ft)	1.2 - 3.2 (ft)	3.2 - 5.2 (ft)	5.2 - 7.2 (ft)	1 - 5.1 (ft)	1.1 - 3.1 (ft)	0 - 4 (ft)	0 - 2 (ft)	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	1 - 4.5 (ft)	4.5 - 6.5 (ft)
Sample Elevation (ft BCB)	12 to 10	12 to 10	10 to 8	8 to 6	6 to 4	17.2 to 16	16 to 14	14 to 12	12 to 10	16.1 to 12	16 to 14	15.9 to 11.9	15.9 to 13.9	16.1 to 14.1	16.1 to 14.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	12.1 to 10.1	10.1 to 8.1	15.5 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	290	-	360	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	2.7	-	9.4	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	50	-	72	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	0.46	-	2.8	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	12	-	8	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	57	-	160	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	0.049	-	0.34	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	ND (5.4)	-	ND (6.4)	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	ND (0.54)	-	ND (0.64)	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	0.026	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	0.43	0.99	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	1.6	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	0.64	1.5	ND (0.13)	0.21	-	ND (0.12)	-	ND (0.12)	3.5	3.4	130	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	1.4	0.82	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	2.1	3.7	270	78	67	63	1.2	1.1	ND (0.058)
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.055)	ND (0.43)	ND (0.49)	ND (0.13)	ND (0.13)	-	ND (0.12)	-	ND (0.12)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (0.13)	ND (0.05)	ND (0.058)
SUM of PCBs	ND	ND	ND	ND	ND	2.47	3.31	ND	0.21	-	ND	-	ND	7.2	7.1	400	78	67	63	1.2	1.1	ND
Other																						
Percent Solids, vol. (%wt)	-	-	-	-	-	93.7	78.6	76.6	74.6	86.5	80.2	78.3	83.4	94.9	87.1	79.4	81.4	87.1	89.4	77.1	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (3.9)	-	ND (4)	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (20)	-	ND (20)	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	65	-	77	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	NI	-	NI	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	10	-	7.7	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	V13		V14															
Location Name	V13A	V13A	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V15	V15	V15	V15
Sample Name	V13A_S1_0.4-6.4	V13A_S2_0.4-2.4	V14_S1_1.1-6.8	V14_S2_6.8-8.4	V14_S8_6.8-16.8	V14_S3_8.4-10.4	V14_S4_10.4-12.4	V14_S5_12.4-14.4	V14_S6_14.4-16.4	V14_S7_16.4-18.4	V14_S9_18.4-20.4	V14_S10_20.4-22.4	V14_S11_22.4-24.4	V14_S12_24.4-26.4	V15_S1_1.2-8.3	V15_S7_8.3-18.3	V15_S2_8.5-10.5	V15_S3_10.5-12.5
Sample Date	01/24/2015	01/24/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
																133923-51		
			133875-53		133875-58											133923-70		
			133875-66		133875-67										133923-45	133923-82		
	15A0874-01		133875-75		133875-76										133923-69	134174-2		
Lab Sample ID	15B0027-01	15A0874-02	134056-3	133875-44	134056-6	133875-45	133875-46	133875-47	133875-48	133875-49	133923-41	133923-42	133923-43	133923-44	133923-81	134174-8	133923-46	133923-47
Sample Depth (bgs)	0.4 - 6.4 (ft)	0.4 - 2.4 (ft)	1.1 - 6.8 (ft)	6.8 - 8.4 (ft)	6.8 - 16.8 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	1.2 - 8.3 (ft)	8.3 - 18.3 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)
Sample Elevation (ft BCB)	16 to 10	16 to 14	15.3 to 9.6	9.6 to 8	9.6 to -0.4	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	15.3 to 8.2	8.2 to -1.8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.0032)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,2,4-Trichlorobenzene	ND (0.0032)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,2,4-Trimethylbenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,2-Dichlorobenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,3,5-Trichlorobenzene	-	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,3,5-Trimethylbenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,3-Dichlorobenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
1,4-Dichlorobenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Acetone	ND (0.08)	-	ND (0.25)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	ND (0.27)	ND (0.25)	-	-
Benzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Chlorobenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Chloroform (Trichloromethane)	ND (0.0032)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Cymene (p-Isopropyltoluene)	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Ethylbenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Isopropylbenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
m,p-Xylenes	ND (0.0032)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Methyl Tert Butyl Ether	ND (0.0032)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Methylene chloride	ND (0.008)	-	ND (0.063)	-	ND (0.05)	-	-	-	-	-	-	-	-	-	ND (0.068)	ND (0.064)	-	-
Naphthalene	ND (0.008)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
n-Propylbenzene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
o-Xylene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Styrene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Tetrachloroethene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Toluene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
Trichloroethene	ND (0.0016)	-	ND (0.006)	-	ND (0.005)	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-
SUM of Volatile Organic Compounds	ND	-	ND	-	ND	-	-	-	-	-	-	-	-	-	ND	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
1,2-Dichlorobenzene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
1,3-Dichlorobenzene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
1,4-Dichlorobenzene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
2,4-Dimethylphenol	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
2,4-Dinitrotoluene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
2,6-Dinitrotoluene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
2-Chloronaphthalene	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
2-Methylnaphthalene	ND (0.21)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
2-Methylphenol	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
3&4-Methylphenol	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Acenaphthene	ND (0.21)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Acenaphthylene	ND (0.21)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Acetophenone	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Aniline	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Anthracene	ND (0.21)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Benzo(a)anthracene	0.67	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.2	ND (0.45)	-	-
Benzo(a)pyrene	0.58	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.1	ND (0.45)	-	-
Benzo(b)fluoranthene	0.86	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.7	ND (0.45)	-	-
Benzo(g,h,i)perylene	0.39	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Benzo(k)fluoranthene	0.35	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
bis(2-Ethylhexyl)phthalate	ND (0.42)	-	0.37	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Butyl benzylphthalate	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Carbazole	-	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Chrysene	0.86	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	1.4	ND (0.45)	-	-
Dibenz(a,h)anthracene	ND (0.21)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Dibenzofuran	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Diethyl phthalate	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Di-n-butylphthalate	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Di-n-octyl phthalate	ND (0.83)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Fluoranthene	1.5	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	2.8	0.7	-	-
Fluorene	ND (0.21)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Indeno(1,2,3-cd)pyrene	0.43	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Isophorone	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Naphthalene	0.21	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	0.46	-	-
N-Nitrosodiphenylamine	-	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Phenanthrene	1	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	2.2	1.3	-	-
Phenol	ND (0.42)	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-
Pyrene	1.5	-	ND (0.37)	-	ND (0.44)	-	-	-	-	-	-	-	-	-	2.3	0.59	-	-
SUM of Semi-Volatile Organic Compounds	8.35	-	0.37	-	ND	-	-	-	-	-	-	-	-	-	12.7	3.05	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	V13		V14															
Location Name	V13A	V13A	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V14	V15	V15	V15	V15
Sample Name	V13A_S1_0.4-6.4	V13A_S2_0.4-2.4	V14_S1_1.1-6.8	V14_S2_6.8-8.4	V14_S8_6.8-16.8	V14_S3_8.4-10.4	V14_S4_10.4-12.4	V14_S5_12.4-14.4	V14_S6_14.4-16.4	V14_S7_16.4-18.4	V14_S9_18.4-20.4	V14_S10_20.4-22.4	V14_S11_22.4-24.4	V14_S12_24.4-26.4	V15_S1_1.2-8.3	V15_S7_8.3-18.3	V15_S2_8.5-10.5	V15_S3_10.5-12.5
Sample Date	01/24/2015	01/24/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID	15A0874-01 15B0027-01	15A0874-02	133875-53 133875-66 133875-75 134056-3	133875-44	133875-58 133875-67 133875-76 134056-6	133875-45	133875-46	133875-47	133875-48	133875-49	133923-41	133923-42	133923-43	133923-44	133923-45 133923-69 133923-81	133923-51 133923-70 133923-82 134174-2 134174-8	133923-46	133923-47
Sample Depth (bgs)	0.4 - 6.4 (ft)	0.4 - 2.4 (ft)	1.1 - 6.8 (ft)	6.8 - 8.4 (ft)	6.8 - 16.8 (ft)	8.4 - 10.4 (ft)	10.4 - 12.4 (ft)	12.4 - 14.4 (ft)	14.4 - 16.4 (ft)	16.4 - 18.4 (ft)	18.4 - 20.4 (ft)	20.4 - 22.4 (ft)	22.4 - 24.4 (ft)	24.4 - 26.4 (ft)	1.2 - 8.3 (ft)	8.3 - 18.3 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)
Sample Elevation (ft BCB)	16 to 10	16 to 14	15.3 to 9.6	9.6 to 8	9.6 to -0.4	8 to 6	6 to 4	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -8	-8 to -10	15.3 to 8.2	8.2 to -1.8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	70	-	43	-	-	-	-	-	-	-	-	-	390	ND (42)	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	74	-	ND (39)	-	-	-	-	-	-	-	-	-	380	ND (42)	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (32)	-	ND (39)	-	-	-	-	-	-	-	-	-	80	ND (42)	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	1.7	-	3	-	-	-	-	-	-	-	-	-	ND (1.2)	7.8	-	-
Arsenic	14	-	18	-	ND (4.3)	-	-	-	-	-	-	-	-	-	ND (3.6)	ND (4.1)	-	-
Barium	80	-	120	-	97	-	-	-	-	-	-	-	-	-	50	79	-	-
Beryllium	-	-	ND (0.34)	-	ND (0.43)	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.41)	-	-
Cadmium	1.1	-	0.72	-	1.8	-	-	-	-	-	-	-	-	-	1.1	6.9	-	-
Chromium	20	-	12	-	50	-	-	-	-	-	-	-	-	-	26	40	-	-
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-
Lead	250	-	220	-	23	-	-	-	-	-	-	-	-	-	40	980	-	-
Mercury	0.23	-	0.24	-	ND (0.023)	-	-	-	-	-	-	-	-	-	0.38	0.2	-	-
Nickel	-	-	14	-	36	-	-	-	-	-	-	-	-	-	16	26	-	-
Selenium	ND (5.9)	-	ND (5.7)	-	7.4	-	-	-	-	-	-	-	-	-	ND (5.9)	8.5	-	-
Silver	ND (0.59)	-	ND (1.1)	-	ND (1.4)	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.4)	-	-
Thallium	-	-	ND (5.7)	-	ND (7.2)	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.9)	-	-
Vanadium	-	-	22	-	67	-	-	-	-	-	-	-	-	-	38	41	-	-
Zinc	-	-	75	-	83	-	-	-	-	-	-	-	-	-	52	1100	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2.1	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1221 (PCB-1221)	-	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1232 (PCB-1232)	-	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1242 (PCB-1242)	-	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1248 (PCB-1248)	-	0.15	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1254 (PCB-1254)	-	0.31	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1260 (PCB-1260)	-	0.52	1.3	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	47	-	ND (0.097)	ND (0.088)
Aroclor-1262 (PCB-1262)	-	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
Aroclor-1268 (PCB-1268)	-	ND (0.1)	ND (0.044)	ND (0.051)	-	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.067)	ND (0.11)	ND (0.052)	ND (4.7)	-	ND (0.097)	ND (0.088)
SUM of PCBs	-	0.98	1.3	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	-	ND	ND
Other																		
Percent Solids, vol. (%wt)	81.1	96.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-
Reactive Cyanide (mg/kg)	ND (3.9)	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-
Reactive Sulfide (mg/kg)	ND (20)	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-
Oxidation reduction potential (mv)	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	NI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	6.8	-	7	-	7.1	-	-	-	-	-	-	-	-	-	7	7.5	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	ND (2.2)	ND (2.6)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	4.2	ND (2.6)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.4)	-	ND (2)	-	-	-	-	-	-	-	-	-	3.3	ND (2.6)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	V15							V16										V
Location Name	V15	V15	V15	V15	V15	V15	V15	V16	V16	V16	V16	V16	V16	V16	V16	V16	V16	V17
Sample Name	V15_S4_12.5-14.5	V15_S5_14.5-16.5	V15_S6_16.5-18.5	V15_S8_18.5-20.5	V15_S9_20.5-22.5	V15_S10_22.5-23.8	V15_S11_23.8-24.5	V16_S1_1-3	V16_S2_3-5	V16_S3_5-7	V16_S4_6-11	V16_S5_7-9	V16_S6_9-11	V16_S7_11-13	V16_S8_11-16	V16_S9_13-15	V16_S10_16-19	V17_S1_0-5
Sample Date	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	01/22/2015
Lab Sample ID	133923-48	133923-49	133923-50	133923-52	133923-53	133923-54	133923-55	138690-26	138690-27	138690-28	138690-47 138690-59 138690-71 138879-13	138690-29	138690-30	138690-31	138690-48 138690-60 138690-72	138690-32	138690-49 138690-61 138690-73	15A0731-01
Sample Depth (bgs)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 23.8 (ft)	23.8 - 24.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	6 - 11 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	11 - 16 (ft)	13 - 15 (ft)	16 - 19 (ft)	0 - 5 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -7.3	-7.3 to -8	16 to 14	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6	6 to 4	6 to 1	4 to 2	1 to -2	17 to 12
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Acetone	-	-	-	-	-	-	-	-	-	-	ND (0.26)	-	-	-	ND (0.28)	-	ND (0.22)	ND (0.1)
Benzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0042)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	21	-	-	-	ND (0.069)	-	ND (0.055)	ND (0.01)
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.01)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
o-Xylene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Styrene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Toluene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	ND (0.007)	-	-	-	ND (0.007)	-	ND (0.006)	ND (0.0021)
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	21	-	-	-	ND	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Acenaphthene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)
Acetophenone	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Aniline	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.86	-	ND (0.41)	ND (0.18)
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.86	-	ND (0.41)	0.27
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.69	-	ND (0.41)	0.24
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.75	-	ND (0.41)	0.31
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	0.19
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Carbazole	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	-
Chrysene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.69	-	ND (0.41)	0.29
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.73)
Fluoranthene	-	-	-	-	-	-	-	-	-	-	0.78	-	-	-	2	-	ND (0.41)	0.51
Fluorene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.48	-	ND (0.41)	ND (0.18)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.18)
Isophorone	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	0.51	-	ND (0.41)	ND (0.18)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	2	-	ND (0.41)	0.4
Phenol	-	-	-	-	-	-	-	-	-	-	ND (0.46)	-	-	-	ND (0.42)	-	ND (0.41)	ND (0.37)
Pyrene	-	-	-	-	-	-	-	-	-	-	0.71	-	-	-	1.8	-	ND (0.41)	0.51
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	1.49	-	-	-	10.64	-	ND	2.72

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	V15							V16										V
Location Name	V15	V15	V15	V15	V15	V15	V15	V16	V16	V16	V16	V16	V16	V16	V16	V16	V16	V17
Sample Name	V15_S4_12.5-14.5	V15_S5_14.5-16.5	V15_S6_16.5-18.5	V15_S8_18.5-20.5	V15_S9_20.5-22.5	V15_S10_22.5-23.8	V15_S11_23.8-24.5	V16_S1_1-3	V16_S2_3-5	V16_S3_5-7	V16_S4_6-11	V16_S5_7-9	V16_S6_9-11	V16_S7_11-13	V16_S8_11-16	V16_S9_13-15	V16_S10_16-19	V17_S1_0-5
Sample Date	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	01/22/2015
Lab Sample ID	133923-48	133923-49	133923-50	133923-52	133923-53	133923-54	133923-55	138690-26	138690-27	138690-28	138690-47 138690-59 138690-71 138879-13	138690-29	138690-30	138690-31	138690-48 138690-60 138690-72	138690-32	138690-49 138690-61 138690-73	15A0731-01
Sample Depth (bgs)	12.5 - 14.5 (ft)	14.5 - 16.5 (ft)	16.5 - 18.5 (ft)	18.5 - 20.5 (ft)	20.5 - 22.5 (ft)	22.5 - 23.8 (ft)	23.8 - 24.5 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	6 - 11 (ft)	7 - 9 (ft)	9 - 11 (ft)	11 - 13 (ft)	11 - 16 (ft)	13 - 15 (ft)	16 - 19 (ft)	0 - 5 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	-6 to -7.3	-7.3 to -8	16 to 14	14 to 12	12 to 10	11 to 6	10 to 8	8 to 6	6 to 4	6 to 1	4 to 2	1 to -2	17 to 12
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	50	-	-	-	79	-	ND (25)	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	34	-	-	-	46	-	ND (25)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (28)	-	-	-	ND (25)	-	ND (25)	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	ND (1.3)	-	ND (1.2)	-
Arsenic	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	ND (3.9)	-	13	ND (2.6)
Barium	-	-	-	-	-	-	-	-	-	-	56	-	-	-	40	-	39	28
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-	-	-	ND (0.39)	-	ND (0.35)	-
Cadmium	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	1.1	-	1	0.57
Chromium	-	-	-	-	-	-	-	-	-	-	37	-	-	-	28	-	27	13
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	60	-	-	-	63	-	44	53
Mercury	-	-	-	-	-	-	-	-	-	-	0.42	-	-	-	0.4	-	0.62	0.058
Nickel	-	-	-	-	-	-	-	-	-	-	22	-	-	-	16	-	17	-
Selenium	-	-	-	-	-	-	-	-	-	-	ND (6.8)	-	-	-	ND (6.5)	-	ND (5.8)	ND (5.2)
Silver	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-	-	-	ND (1.3)	-	ND (1.2)	ND (0.52)
Thallium	-	-	-	-	-	-	-	-	-	-	ND (6.8)	-	-	-	ND (6.5)	-	ND (5.8)	-
Vanadium	-	-	-	-	-	-	-	-	-	-	55	-	-	-	43	-	40	-
Zinc	-	-	-	-	-	-	-	-	-	-	95	-	-	-	54	-	52	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1254 (PCB-1254)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	0.11	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1260 (PCB-1260)	ND (0.052)	ND (0.053)	0.076	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	0.11	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.053)	ND (0.059)	ND (0.065)	ND (0.14)	ND (0.099)	ND (0.12)	ND (0.044)	ND (0.05)	ND (0.058)	-	ND (0.055)	ND (0.054)	ND (0.057)	-	ND (0.053)	-	-
SUM of PCBs	ND	ND	0.076	ND	ND	ND	ND	0.22	ND	ND	-	ND	ND	ND	-	ND	-	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.3
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-	ND (50)	-	ND (50)	ND (3.9)
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-	ND (100)	-	ND (100)	ND (20)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	410	-	-	-	-	-	-	130
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	6.7	-	6.9	7.8
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	ND (1.7)	-	-	-	ND (1.5)	-	ND (1.3)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	17	W11		W12		W13							W14					
Location Name	V17	W11	W11	W12	W12A	W13	W13	W13	W13	W13A	W13A	W13A	W14	W14	W14	W14	W14	W14
Sample Name	V17_S2_1-3	W11_S1_0.2-2.2	W11_S2_2.2-4.2	W12_S2_5-8	W12A_S4_4.6-6.6	W13_S1_0.7-4.7	Z13_S1_0.7-4.7	W13_S2_4.7-6.7	W13_S3_6.7-8.7	W13A_S1_0.0-4.8	W13A_S2_0.8-2.8	W13A_S3_2.8-4.8	W14_S1_0.3-4.3	W14_S2_4.3-6.3	W14_S7_4.3-14.3	W14_S3_6.3-8.3	W14_S4_8.3-10.3	W14_S5_10.3-12.3
Sample Date	01/22/2015	02/12/2015	02/12/2015	01/14/2011	02/12/2015	01/03/2011	01/03/2011	01/03/2011	01/03/2011	02/12/2015	02/12/2015	02/12/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	15A0731-02	15B0414-01	15B0414-02	139182-6 139182-6RA1	15B0789-01	138916-2	138916-5	138916-3	138916-4	15B0405-01	15B0405-02	15B0405-03	133875-50 133875-59 133875-68 134056-1	133875-2	133875-54 133875-60 133875-69	133875-3	133875-4	133875-5
Sample Depth (bgs)	1 - 3 (ft)	0.2 - 2.2 (ft)	2.2 - 4.2 (ft)	5 - 8 (ft)	4.6 - 6.6 (ft)	0.7 - 4.7 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	0 - 4.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	0.3 - 4.3 (ft)	4.3 - 6.3 (ft)	4.3 - 14.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)
Sample Elevation (ft BCB)	16 to 14	16 to 14	14 to 12	11.5 to 8.5	12 to 10	16 to 12	16 to 12	12 to 10	10 to 8	16.8 to 12	16 to 14	14 to 12	16 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	0.044	-	ND (0.006)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	0.067	-	ND (0.006)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.013)	-	ND (0.006)	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	ND (0.086)	-	-	ND (0.52)	-	ND (0.23)	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	ND (0.0034)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.0086)	-	-	ND (0.13)	-	ND (0.058)	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.0086)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.0017)	-	-	ND (0.013)	-	ND (0.006)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	ND	-	-	0.111	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	0.21	-	-	ND (0.76)	-	ND (0.43)	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	0.34	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	0.31	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	0.51	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	0.21	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	0.45	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	ND (0.8)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	0.8	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	0.22	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	0.67	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	ND (0.76)	-	ND (0.43)	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	0.71	-	-	ND (0.76)	-	ND (0.43)	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	4.43	-	-	ND	-	ND	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	17	W11		W12		W13							W14					
Location Name	V17	W11	W11	W12	W12A	W13	W13	W13	W13	W13A	W13A	W13A	W14	W14	W14	W14	W14	W14
Sample Name	V17_S2_1-3	W11_S1_0.2-2.2	W11_S2_2.2-4.2	W12_S2_5-8	W12A_S4_4.6-6.6	W13_S1_0.7-4.7	Z13_S1_0.7-4.7	W13_S2_4.7-6.7	W13_S3_6.7-8.7	W13A_S1_0.0-4.8	W13A_S2_0.8-2.8	W13A_S3_2.8-4.8	W14_S1_0.3-4.3	W14_S2_4.3-6.3	W14_S7_4.3-14.3	W14_S3_6.3-8.3	W14_S4_8.3-10.3	W14_S5_10.3-12.3
Sample Date	01/22/2015	02/12/2015	02/12/2015	01/14/2011	02/12/2015	01/03/2011	01/03/2011	01/03/2011	01/03/2011	02/12/2015	02/12/2015	02/12/2015	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	15A0731-02	15B0414-01	15B0414-02	139182-6 139182-6RA1	15B0789-01	138916-2	138916-5	138916-3	138916-4	15B0405-01	15B0405-02	15B0405-03	133875-50 133875-59 133875-68 134056-1	133875-2	133875-54 133875-60 133875-69	133875-3	133875-4	133875-5
Sample Depth (bgs)	1 - 3 (ft)	0.2 - 2.2 (ft)	2.2 - 4.2 (ft)	5 - 8 (ft)	4.6 - 6.6 (ft)	0.7 - 4.7 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	6.7 - 8.7 (ft)	0 - 4.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	0.3 - 4.3 (ft)	4.3 - 6.3 (ft)	4.3 - 14.3 (ft)	6.3 - 8.3 (ft)	8.3 - 10.3 (ft)	10.3 - 12.3 (ft)
Sample Elevation (ft BCB)	16 to 14	16 to 14	14 to 12	11.5 to 8.5	12 to 10	16 to 12	16 to 12	12 to 10	10 to 8	16.8 to 12	16 to 14	14 to 12	16 to 12	12 to 10	12 to 2	10 to 8	8 to 6	6 to 4
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	740	-	-	-	-	-	-	-	-
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	180	-	ND (41)	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	360	-	ND (41)	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	ND (35)	-	ND (41)	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	2.5	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	8.2	-	-	11	-	ND (4.2)	-	-	-
Barium	-	-	-	-	-	-	-	-	-	53	-	-	93	-	52	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.34)	-	ND (0.42)	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	2.3	-	-	2.4	-	1.1	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	15	-	-	13	-	28	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	98	-	-	260	-	55	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	0.098	-	-	0.53	-	0.34	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	16	-	16	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	ND (6.3)	-	-	ND (5.7)	-	ND (7.1)	-	-	-
Silver	-	-	-	-	-	-	-	-	-	ND (0.63)	-	-	ND (1.1)	-	ND (1.4)	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.7)	-	ND (7.1)	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	34	-	36	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	260	-	70	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1254 (PCB-1254)	0.2	ND (0.11)	ND (0.13)	ND (0.053)	60	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1260 (PCB-1260)	0.38	0.13	ND (0.13)	1.4	240	120	120	ND (0.049)	0.26	-	0.69	ND (0.12)	17	ND (0.057)	-	0.1	ND (0.058)	ND (0.055)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.053)	ND (26)	ND (22)	ND (22)	ND (0.049)	ND (0.051)	-	ND (0.25)	ND (0.12)	ND (0.46)	ND (0.057)	-	ND (0.055)	ND (0.058)	ND (0.055)
SUM of PCBs	0.58	0.13	ND	1.4	300	120	120	ND	0.26	-	0.69	ND	17	ND	-	0.1	ND	ND
Other																		
Percent Solids, vol. (%wt)	93.7	87.7	76.1	-	76.3	-	-	-	-	83.4	76.3	83	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (4)	-	-	ND (50)	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	ND (20)	-	-	ND (100)	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	NI	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	7.8	-	-	7.3	-	7.3	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (2)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (2)	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	ND (2)	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						W15														
Location Name	W14	W14	W14	W14	W14	W15	W15	W15	W15	W15	W15	W15	W15	W15	W15	W15	W16	W16	W16	W16
Sample Name	W14_S6_12.3-14.3	W14_S8_14.-16.3	W14_S9_16.3-18.3	W14_S10_18.3-20.3	W14_S11_20.3-22.3	W15_S1_0.6-6.0	W15_S2_6-8	W15_S7_6-16	W15_S3_8-10	W15_S4_10-12	W15_S5_12-14	W15_S6_14-16	W15_S8_16-18	W15_S9_18-20	W15_S10_20-22	W15_S11_22-24	W16_S1_0.5-3.0	W16_S2_3-5	W16_S3_3-8	W16_S3_5-7
Sample Date	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010
Lab Sample ID	133875-6	133875-7	133875-8	133875-9	133875-1	133923-31 133923-67 133923-79 134174-6	133923-32	133923-37 133923-68 133923-80 134174-1 134174-7	133923-33	133923-34	133923-35	133923-36	133923-38	133923-39	133923-40	133923-19	138884-11	138884-12	138884-41 138884-52 138884-63 139115-9	138884-13
Sample Depth (bgs)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	0.6 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 3 (ft)	3 - 5 (ft)	3 - 8 (ft)	5 - 7 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.1 to 10.7	10.7 to 8.7	10.7 to 0.7	8.7 to 6.7	6.7 to 4.7	4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3	-3.3 to -5.3	-5.3 to -7.3	16.6 to 14.1	14.1 to 12.1	14.1 to 9.1	12.1 to 10.1
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.006)	-	0.61	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.006)	-	6.8	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.006)	-	0.84	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.006)	-	5.8	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.006)	-	10	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Acetone	-	-	-	-	-	ND (0.22)	-	ND (2.5)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-
Benzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Chlorobenzene	-	-	-	-	-	ND (0.006)	-	1	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Ethylbenzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Isopropylbenzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
m,p-Xylenes	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Methylene chloride	-	-	-	-	-	ND (0.056)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (0.05)	-
Naphthalene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
n-Propylbenzene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
o-Xylene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Styrene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Tetrachloroethene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Toluene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Trichloroethene	-	-	-	-	-	ND (0.006)	-	ND (0.25)	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	25.05	-	-	-	-	-	-	-	-	-	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.39)	-	5.8	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.39)	-	1.8	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.39)	-	3.1	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
2,4-Dimethylphenol	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
2,4-Dinitrotoluene	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
2,6-Dinitrotoluene	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
2-Chloronaphthalene	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
2-Methylnaphthalene	-	-	-	-	-	0.45	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
2-Methylphenol	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
3&4-Methylphenol	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Acenaphthene	-	-	-	-	-	0.49	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Acenaphthylene	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Acetophenone	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Aniline	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Anthracene	-	-	-	-	-	0.95	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Benzo(a)anthracene	-	-	-	-	-	2.6	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Benzo(a)pyrene	-	-	-	-	-	2.3	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Benzo(b)fluoranthene	-	-	-	-	-	3.9	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Benzo(g,h,i)perylene	-	-	-	-	-	0.6	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Benzo(k)fluoranthene	-	-	-	-	-	1.4	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	0.76	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Carbazole	-	-	-	-	-	0.59	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Chrysene	-	-	-	-	-	2.8	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Dibenzofuran	-	-	-	-	-	0.5	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Diethyl phthalate	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Di-n-butylphthalate	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Di-n-octyl phthalate	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Fluoranthene	-	-	-	-	-	5.5	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Fluorene	-	-	-	-	-	0.73	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	0.83	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Isophorone	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Naphthalene	-	-	-	-	-	0.39	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
N-Nitrosodiphenylamine	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Phenanthrene	-	-	-	-	-	3.9	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Phenol	-	-	-	-	-	ND (0.39)	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
Pyrene	-	-	-	-	-	4.7	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	ND (0.41)	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	33.39	-	10.7	-	-	-	-	-	-	-	-	-	-	ND	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid						W15														
Location Name	W14	W14	W14	W14	W14	W15	W15	W15	W15	W15	W15	W15	W15	W15	W15	W15	W16	W16	W16	W16
Sample Name	W14_S6_12.3-14.3	W14_S8_14.-16.3	W14_S9_16.3-18.3	W14_S10_18.3-20.3	W14_S11_20.3-22.3	W15_S1_0.6-6.0	W15_S2_6-8	W15_S7_6-16	W15_S3_8-10	W15_S4_10-12	W15_S5_12-14	W15_S6_14-16	W15_S8_16-18	W15_S9_18-20	W15_S10_20-22	W15_S11_22-24	W16_S1_0.5-3.0	W16_S2_3-5	W16_S3_3-8	W16_S3_5-7
Sample Date	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/11/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	06/14/2010	12/30/2010	12/30/2010	12/30/2010	12/30/2010
								133923-37												
						133923-31		133923-68											138884-41	
						133923-67		133923-80											138884-52	
						133923-79		134174-1											138884-63	
Lab Sample ID	133875-6	133875-7	133875-8	133875-9	133875-1	134174-6	133923-32	134174-7	133923-33	133923-34	133923-35	133923-36	133923-38	133923-39	133923-40	133923-19	138884-11	138884-12	139115-9	138884-13
Sample Depth (bgs)	12.3 - 14.3 (ft)	14.3 - 16.3 (ft)	16.3 - 18.3 (ft)	18.3 - 20.3 (ft)	20.3 - 22.3 (ft)	0.6 - 6 (ft)	6 - 8 (ft)	6 - 16 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	0.5 - 3 (ft)	3 - 5 (ft)	3 - 8 (ft)	5 - 7 (ft)
Sample Elevation (ft BCB)	4 to 2	2 to 0	0 to -2	-2 to -4	-4 to -6	16.1 to 10.7	10.7 to 8.7	10.7 to 0.7	8.7 to 6.7	6.7 to 4.7	4.7 to 2.7	2.7 to 0.7	0.7 to -1.3	-1.3 to -3.3	-3.3 to -5.3	-5.3 to -7.3	16.6 to 14.1	14.1 to 12.1	14.1 to 9.1	12.1 to 10.1
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	80	-	51	-	-	-	-	-	-	-	-	-	-	ND (25)	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	60	-	44	-	-	-	-	-	-	-	-	-	-	ND (25)	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	ND (35)	-	ND (37)	-	-	-	-	-	-	-	-	-	-	ND (25)	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	ND (1.3)	-	7	-	-	-	-	-	-	-	-	-	-	3.1	-
Arsenic	-	-	-	-	-	5	-	ND (3.7)	-	-	-	-	-	-	-	-	-	-	ND (3.8)	-
Barium	-	-	-	-	-	56	-	69	-	-	-	-	-	-	-	-	-	-	60	-
Beryllium	-	-	-	-	-	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	-	-	-	-	ND (0.38)	-
Cadmium	-	-	-	-	-	1.3	-	5.8	-	-	-	-	-	-	-	-	-	-	1.2	-
Chromium	-	-	-	-	-	31	-	42	-	-	-	-	-	-	-	-	-	-	30	-
Chromium VI (Hexavalent)	-	-	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	-	-	-	-	-	18	-	960	-	-	-	-	-	-	-	-	-	-	36	-
Mercury	-	-	-	-	-	0.4	-	0.24	-	-	-	-	-	-	-	-	-	-	0.22	-
Nickel	-	-	-	-	-	21	-	19	-	-	-	-	-	-	-	-	-	-	21	-
Selenium	-	-	-	-	-	ND (6.3)	-	6.8	-	-	-	-	-	-	-	-	-	-	ND (6.4)	-
Silver	-	-	-	-	-	ND (1.3)	-	ND (1.2)	-	-	-	-	-	-	-	-	-	-	ND (1.3)	-
Thallium	-	-	-	-	-	ND (6.3)	-	ND (6.2)	-	-	-	-	-	-	-	-	-	-	ND (6.4)	-
Vanadium	-	-	-	-	-	39	-	38	-	-	-	-	-	-	-	-	-	-	52	-
Zinc	-	-	-	-	-	56	-	790	-	-	-	-	-	-	-	-	-	-	64	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1221 (PCB-1221)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1232 (PCB-1232)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1242 (PCB-1242)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1248 (PCB-1248)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1254 (PCB-1254)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1260 (PCB-1260)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	23	0.58	-	36	ND (0.051)	0.3	0.074	0.93	ND (0.053)	ND (0.13)	ND (0.17)	1.3	ND (0.051)	-	ND (0.053)
Aroclor-1262 (PCB-1262)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
Aroclor-1268 (PCB-1268)	ND (0.052)	ND (0.053)	ND (0.055)	ND (0.07)	ND (0.061)	ND (4.8)	ND (0.051)	-	ND (5.4)	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.054)	ND (0.053)	ND (0.13)	ND (0.17)	ND (0.43)	ND (0.051)	-	ND (0.053)
SUM of PCBs	ND	ND	ND	ND	ND	23	0.58	-	36	ND	0.3	0.074	0.93	ND	ND	ND	1.3	ND	-	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	ND (50)	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	520	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	7.6	-	7.7	-	-	-	-	-	-	-	-	-	-	7.2	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.8)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	ND (1.8)	-	8.9	-	-	-	-	-	-	-	-	-	-	ND (1.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.8)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	1.4	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	W16						W17				W18				X11			X12		
Location Name	W16	W16	W16	W16	W16	W16	W17	W17	W17	W17	W18	W18	W18	W18	X11	X11	X11	X12	X12	X12
Sample Name	W16_S4_7-9	W16_S6_8-13	W16_S5_9-11	W16_S6_11-13	W16_S7_13-15	W16_S7_13-18	W17_S1_0-0.9	W17_S2_0.9-2.9	W17_S3_2.9-4.9	W17_S4_4.9-6.9	W18_S1_0-1.0	W18_S2_1.0-3.0	W18_S3_3.0-5.0	W18_S4_5.0-7.0	X11_S1_0.0-1.8	X11_S2_1.8-3.8	X11_S3_3.8-5.8	X12_S1_0.1-2.1	X12_S2_2.1-4.1	X12_S3_4.1-6.1
Sample Date	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/03/2011	01/03/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/23/2015	11/23/2015	11/23/2015	02/12/2015	02/12/2015	02/12/2015
		138884-42				138916-17														
		138884-53				138916-34														
		138884-64				138916-46														
Lab Sample ID	138884-14	139115-10	138884-15	138884-16	138916-1	139127-8	15K0704-02	15K0704-03	15K0704-04	15K0704-05	15K0704-14	15K0704-15	15K0704-16	15K0704-17	15K1070-11	15K1070-12	15K1070-13	15B0415-01	15B0415-02	15B0791-01
Sample Depth (bgs)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	0.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)
Sample Elevation (ft BCB)	10.1 to 8.1	9.1 to 4.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	4.1 to -0.9	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	15.8 to 14	14 to 12	12 to 10	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	ND (0.26)	-	-	-	ND (0.26)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	ND (0.064)	-	-	-	ND (0.064)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	ND (0.006)	-	-	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	ND (0.43)	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	ND (0.43)	-	-	-	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	ND (0.43)	-	-	-	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	ND (0.43)	-	-	-	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	ND	-	-	-	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	W16						W17				W18				X11			X12		
Location Name	W16	W16	W16	W16	W16	W16	W17	W17	W17	W17	W18	W18	W18	W18	X11	X11	X11	X12	X12	X12
Sample Name	W16_S4_7-9	W16_S6_8-13	W16_S5_9-11	W16_S6_11-13	W16_S7_13-15	W16_S7_13-18	W17_S1_0-0.9	W17_S2_0.9-2.9	W17_S3_2.9-4.9	W17_S4_4.9-6.9	W18_S1_0-1.0	W18_S2_1.0-3.0	W18_S3_3.0-5.0	W18_S4_5.0-7.0	X11_S1_0.0-1.8	X11_S2_1.8-3.8	X11_S3_3.8-5.8	X12_S1_0.1-2.1	X12_S2_2.1-4.1	X12_S3_4.1-6.1
Sample Date	12/30/2010	12/30/2010	12/30/2010	12/30/2010	01/03/2011	01/03/2011	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/16/2015	11/23/2015	11/23/2015	11/23/2015	02/12/2015	02/12/2015	02/12/2015
		138884-42				138916-17														
		138884-53				138916-34														
		138884-64				138916-46														
Lab Sample ID	138884-14	139115-10	138884-15	138884-16	138916-1	139127-8	15K0704-02	15K0704-03	15K0704-04	15K0704-05	15K0704-14	15K0704-15	15K0704-16	15K0704-17	15K1070-11	15K1070-12	15K1070-13	15B0415-01	15B0415-02	15B0791-01
Sample Depth (bgs)	7 - 9 (ft)	8 - 13 (ft)	9 - 11 (ft)	11 - 13 (ft)	13 - 15 (ft)	13 - 18 (ft)	0 - 0.9 (ft)	0.9 - 2.9 (ft)	2.9 - 4.9 (ft)	4.9 - 6.9 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.8 (ft)	1.8 - 3.8 (ft)	3.8 - 5.8 (ft)	0.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)
Sample Elevation (ft BCB)	10.1 to 8.1	9.1 to 4.1	8.1 to 6.1	6.1 to 4.1	4.1 to 2.1	4.1 to -0.9	16.9 to 16	16 to 14	14 to 12	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	15.8 to 14	14 to 12	12 to 10	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	52	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	44	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (25)	-	-	-	ND (27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	3.9	-	-	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	ND (3.9)	-	-	-	ND (4.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	60	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	ND (0.39)	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	1.1	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	32	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	38	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	0.97	-	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	22	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	ND (6.5)	-	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	ND (1.3)	-	-	-	ND (1.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	ND (6.5)	-	-	-	ND (6.8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	52	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	65	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	0.71	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	0.29	0.19	0.93	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	1.2	ND (0.11)
Aroclor-1260 (PCB-1260)	ND (0.055)	-	ND (0.056)	ND (0.049)	0.31	-	0.14	ND (0.11)	ND (0.12)	ND (0.13)	0.15	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	1.6	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.055)	-	ND (0.056)	ND (0.049)	ND (0.051)	-	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.1)	ND (0.47)	ND (0.13)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.42)	ND (0.11)
SUM of PCBs	ND	-	ND	ND	0.31	-	0.14	ND	ND	ND	0.44	0.19	0.93	ND	ND	ND	ND	ND	3.51	ND
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	-	-	97.6	91.4	80	78	90.7	91.8	82.1	77.1	96.9	96	91.7	94	91.8	87.9
Ignitability (Flashpoint) (Deg F)	-	165 >	-	-	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	-	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	-	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	450	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7.1	-	-	-	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.5)	-	-	-	ND (1.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	X13			X14				X15				X16					X17				
Location Name	X13	X13	X13	X14	X14	X14	X14	X15	X15	X15	X15	X16	X16	X16	X16	X16	X17	X17	X17	X17	X18
Sample Name	X13_S1_0.3-2.3	X13_S2_2.3-4.3	X13_S3_4.3-6.3	X14_S1_0.0-2.3	X14_S2_2.3-4.3	X14_S3_4.3-6.3	X14_S4_6.3-8.3	X15_S1_0.0-2.4	X15_S2_2.4-4.4	X15_S3_4.4-6.4	X15_S4_6.4-8.4	X16_S1_0.0-0.6	X16_S2_0.6-2.6	X16_S3_2.6-4.6	X16_S4_4.6-6.6	X16_S5_6.6-8.6	X17-S1_0-0.7	X17_S2_0.7-2.7	X17_S3_2.7-4.7	X17_S4_4.7-6.7	X18_S1_0.0-0.8
Sample Date	02/12/2015	02/12/2015	02/12/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/08/2015	12/08/2015	12/08/2015	12/08/2015	11/30/2015
Lab Sample ID	15B0416-01	15B0416-02	15B0792-01	15K1345-18	15K1346-01	15K1346-02	15L0988-01	15L0052-05	15L0052-06	15L0052-07	15L0370-01	15L0041-19	15L0041-20	15L0052-01	15L0052-02	15L0989-01	15L0384-06	15L0384-07	15L0384-08	15L0384-09	15K1344-19
Sample Depth (bgs)	0.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	0 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0 - 0.7 (ft)	0.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	0 - 0.8 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	16.3 to 14	14 to 12	12 to 10	10 to 8	16.4 to 14	14 to 12	12 to 10	10 to 8	16.6 to 16	16 to 14	14 to 12	12 to 10	10 to 8	16.7 to 16	16 to 14	14 to 12	12 to 10	16.8 to 16
Volatile Organic Compounds (mg/kg)																					
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	X13			X14				X15				X16					X17				
Location Name	X13	X13	X13	X14	X14	X14	X14	X15	X15	X15	X15	X16	X16	X16	X16	X16	X17	X17	X17	X17	X18
Sample Name	X13_S1_0.3-2.3	X13_S2_2.3-4.3	X13_S3_4.3-6.3	X14_S1_0.0-2.3	X14_S2_2.3-4.3	X14_S3_4.3-6.3	X14_S4_6.3-8.3	X15_S1_0.0-2.4	X15_S2_2.4-4.4	X15_S3_4.4-6.4	X15_S4_6.4-8.4	X16_S1_0.0-0.6	X16_S2_0.6-2.6	X16_S3_2.6-4.6	X16_S4_4.6-6.6	X16_S5_6.6-8.6	X17-S1_0-0.7	X17_S2_0.7-2.7	X17_S3_2.7-4.7	X17_S4_4.7-6.7	X18_S1_0.0-0.8
Sample Date	02/12/2015	02/12/2015	02/12/2015	11/30/2015	11/30/2015	11/30/2015	11/30/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/01/2015	12/08/2015	12/08/2015	12/08/2015	12/08/2015	11/30/2015
Lab Sample ID	15B0416-01	15B0416-02	15B0792-01	15K1345-18	15K1346-01	15K1346-02	15L0988-01	15L0052-05	15L0052-06	15L0052-07	15L0370-01	15L0041-19	15L0041-20	15L0052-01	15L0052-02	15L0989-01	15L0384-06	15L0384-07	15L0384-08	15L0384-09	15K1344-19
Sample Depth (bgs)	0.3 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	0 - 2.3 (ft)	2.3 - 4.3 (ft)	4.3 - 6.3 (ft)	6.3 - 8.3 (ft)	0 - 2.4 (ft)	2.4 - 4.4 (ft)	4.4 - 6.4 (ft)	6.4 - 8.4 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	6.6 - 8.6 (ft)	0 - 0.7 (ft)	0.7 - 2.7 (ft)	2.7 - 4.7 (ft)	4.7 - 6.7 (ft)	0 - 0.8 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	16.3 to 14	14 to 12	12 to 10	10 to 8	16.4 to 14	14 to 12	12 to 10	10 to 8	16.6 to 16	16 to 14	14 to 12	12 to 10	10 to 8	16.7 to 16	16 to 14	14 to 12	12 to 10	16.8 to 16
Total Petroleum Hydrocarbons (mg/kg)																					
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																					
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																					
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																					
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																					
Aroclor-1016 (PCB-1016)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
Aroclor-1221 (PCB-1221)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
Aroclor-1232 (PCB-1232)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
Aroclor-1242 (PCB-1242)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
Aroclor-1248 (PCB-1248)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
Aroclor-1254 (PCB-1254)	ND (0.1)	15	ND (0.13)	ND (0.1)	ND (0.1)	6	ND (1.1)	ND (0.1)	ND (11)	19	ND (22)	ND (0.1)	ND (0.1)	5.5	1.6	2.3	ND (0.1)	ND (0.1)	ND (0.1)	0.88	ND (0.1)
Aroclor-1260 (PCB-1260)	ND (0.1)	43	ND (0.13)	ND (0.1)	ND (0.1)	20	4.8	ND (0.1)	100	68	160	ND (0.1)	ND (0.1)	14	5.1	5.8	ND (0.1)	ND (0.1)	ND (0.1)	1.4	ND (0.1)
Aroclor-1262 (PCB-1262)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
Aroclor-1268 (PCB-1268)	ND (0.1)	ND (5.6)	ND (0.13)	ND (0.1)	ND (0.1)	ND (2.1)	ND (1.1)	ND (0.1)	ND (11)	ND (11)	ND (22)	ND (0.1)	ND (0.1)	ND (2.2)	ND (1.1)	ND (1.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.42)	ND (0.1)
SUM of PCBs	ND	58	ND	ND	ND	26	4.8	ND	100	87	160	ND	ND	19.5	6.7	8.1	ND	ND	ND	2.28	ND
Other																					
Percent Solids, vol. (%wt)	93.5	85.1	79.1	96.4	96.8	93.8	85.6	96.1	93.4	90.7	88.8	95.9	94.6	89.8	89.4	91.1	97.2	98.1	97.6	94.1	96.2
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																					
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	X18			Y11					Y12				Y13				Y14			
Location Name	X18	X18	X18	Y11	Y11	Y11	Y11	Y11	Y12	Y12	Y12	Y12	Y13	Y13	Y13	Y13	Y14	Y14	Y14	Y14
Sample Name	X18_S2_0.8-2.8	X18_S3_2.8-4.8	X18_S4_4.8-6.8	Y11_S1_0-0.6'	Y11_S2_0.6-2.6'	Y11_S3_2.6-4.6'	Y11_S4_4.6-6.6'	Z11_S4_4.6-6.6'	Y12_S1_0-1.0'	Y12_S2_1.0-3.0'	Y12_S3_3.0-5.0'	Y12_S4_5.0-7.0'	Y13_S1_0-1.1'	Y13_S2_1.1-3.1'	Y13_S3_3.1-5.1'	Y13_S4_5.1-7.1'	Y14_S1_0-1.3'	Y14_S2_1.3-3.3'	Y14_S3_3.3-5.3'	Y14_S4_5.3-7.3'
Sample Date	11/30/2015	11/30/2015	11/30/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015
Lab Sample ID	15K1344-20	15K1345-01	15K1345-02	15K0756-13	15K0756-14	15K0756-15	15K0756-16	15K0756-17	15K0756-09	15K0756-10	15K0756-11	15K0756-12	15K0756-05	15K0756-06	15K0756-07	15K0756-08	15K0756-01	15K0756-02	15K0756-03	15K0756-04
Sample Depth (bgs)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.6 - 6.6 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A2
SUMMARY OF SOIL QUALITY DATA
ALL REMAINING TSCA SOIL
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MA

Precharacterization Grid	X18			Y11					Y12				Y13				Y14			
Location Name	X18	X18	X18	Y11	Y11	Y11	Y11	Y11	Y12	Y12	Y12	Y12	Y13	Y13	Y13	Y13	Y14	Y14	Y14	Y14
Sample Name	X18_S2_0.8-2.8	X18_S3_2.8-4.8	X18_S4_4.8-6.8	Y11_S1_0-0.6'	Y11_S2_0.6-2.6'	Y11_S3_2.6-4.6'	Y11_S4_4.6-6.6'	Z11_S4_4.6-6.6'	Y12_S1_0-1.0'	Y12_S2_1.0-3.0'	Y12_S3_3.0-5.0'	Y12_S4_5.0-7.0'	Y13_S1_0-1.1'	Y13_S2_1.1-3.1'	Y13_S3_3.1-5.1'	Y13_S4_5.1-7.1'	Y14_S1_0-1.3'	Y14_S2_1.3-3.3'	Y14_S3_3.3-5.3'	Y14_S4_5.3-7.3'
Sample Date	11/30/2015	11/30/2015	11/30/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015	11/17/2015
Lab Sample ID	15K1344-20	15K1345-01	15K1345-02	15K0756-13	15K0756-14	15K0756-15	15K0756-16	15K0756-17	15K0756-09	15K0756-10	15K0756-11	15K0756-12	15K0756-05	15K0756-06	15K0756-07	15K0756-08	15K0756-01	15K0756-02	15K0756-03	15K0756-04
Sample Depth (bgs)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	4.8 - 6.8 (ft)	0 - 0.6 (ft)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.6 - 6.6 (ft)	0 - 1 (ft)	1 - 3 (ft)	3 - 5 (ft)	5 - 7 (ft)	0 - 1.1 (ft)	1.1 - 3.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	0 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	12 to 10	16.6 to 16	16 to 14	14 to 12	12 to 10	12 to 10	17 to 16	16 to 14	14 to 12	12 to 10	17.1 to 16	16 to 14	14 to 12	12 to 10	17.3 to 16	16 to 14	14 to 12	12 to 10
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																				
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																				
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1221 (PCB-1221)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1232 (PCB-1232)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1242 (PCB-1242)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1248 (PCB-1248)	ND (0.1)	ND (0.11)	ND (0.12)	0.11	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	0.3	ND (0.13)	ND (0.12)	0.38	1.2	0.13	0.13	4.8	0.14	ND (0.12)	ND (0.13)
Aroclor-1254 (PCB-1254)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	1.4	0.51	ND (0.13)	ND (0.12)	0.42	1.5	0.19	ND (0.12)	5.3	0.19	ND (0.12)	ND (0.13)
Aroclor-1260 (PCB-1260)	ND (0.1)	ND (0.11)	ND (0.12)	0.13	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	3.5	0.17	ND (0.13)	ND (0.12)	0.19	0.87	ND (0.11)	ND (0.12)	2.5	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1262 (PCB-1262)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
Aroclor-1268 (PCB-1268)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.12)	ND (0.53)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.45)	ND (0.11)	ND (0.12)	ND (1.1)	ND (0.12)	ND (0.12)	ND (0.13)
SUM of PCBs	ND	ND	ND	0.24	ND	ND	ND	ND	4.9	0.98	ND	ND	0.99	3.57	0.32	0.13	12.6	0.33	ND	ND
Other																				
Percent Solids, vol. (%wt)	96.2	93.1	85.3	93	92.5	89.9	71.6	84.4	93.4	87.7	77.2	85	90.7	89.8	86.8	79.9	89.7	84.2	83	73
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
NI: Not Ignitable

NOTES:
1. Volatile and Semi-Volatile Compounds detected in at least one sample shown above. For a complete list see the laboratory data sheets.

ATTACHMENT B
95% UCL CALCULATIONS

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	5/19/2016 2:15:27 PM
From File	2016-0519-ProUCL-ParkingAreaBackfill-Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Benzo(a)anthracene-SVOC

General Statistics

Total Number of Observations	105	Number of Distinct Observations	54
		Number of Missing Observations	40
Number of Detects	98	Number of Non-Detects	7
Number of Distinct Detects	51	Number of Distinct Non-Detects	5
Minimum Detect	0.22	Minimum Non-Detect	0.34
Maximum Detect	11	Maximum Non-Detect	0.72
Variance Detects	3.144	Percent Non-Detects	6.667%
Mean Detects	1.479	SD Detects	1.773
Median Detects	1	CV Detects	1.199
Skewness Detects	3.783	Kurtosis Detects	15.13
Mean of Logged Detects	0.0779	SD of Logged Detects	0.692

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.521	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.328	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0895	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.401	Standard Error of Mean	0.17
SD	1.73	95% KM (BCA) UCL	1.731
95% KM (t) UCL	1.682	95% KM (Percentile Bootstrap) UCL	1.688
95% KM (z) UCL	1.68	95% KM Bootstrap t UCL	1.818
90% KM Chebyshev UCL	1.91	95% KM Chebyshev UCL	2.14
97.5% KM Chebyshev UCL	2.46	99% KM Chebyshev UCL	3.089

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.718	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.768	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.207	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0918	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.743	k star (bias corrected MLE)	1.696
Theta hat (MLE)	0.849	Theta star (bias corrected MLE)	0.872
nu hat (MLE)	341.6	nu star (bias corrected)	332.4

MLE Mean (bias corrected)	1.479	MLE Sd (bias corrected)	1.136

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.656	nu hat (KM)	137.7
Approximate Chi Square Value (137.66, α)	111.6	Adjusted Chi Square Value (137.66, β)	111.2
95% Gamma Approximate KM-UCL (use when n>=50)	1.728	95% Gamma Adjusted KM-UCL (use when n<50)	1.733

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.382
Maximum	11	Median	0.95
SD	1.751	CV	1.267
k hat (MLE)	1.062	k star (bias corrected MLE)	1.038
Theta hat (MLE)	1.301	Theta star (bias corrected MLE)	1.331
nu hat (MLE)	223	nu star (bias corrected)	218
MLE Mean (bias corrected)	1.382	MLE Sd (bias corrected)	1.356
		Adjusted Level of Significance (β)	0.0477
Approximate Chi Square Value (218.00, α)	184.8	Adjusted Chi Square Value (218.00, β)	184.4
95% Gamma Approximate UCL (use when n>=50)	1.63	95% Gamma Adjusted UCL (use when n<50)	1.633

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.134	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0895	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.401	Mean in Log Scale	-0.0103
SD in Original Scale	1.738	SD in Log Scale	0.75
95% t UCL (assumes normality of ROS data)	1.682	95% Percentile Bootstrap UCL	1.693
95% BCA Bootstrap UCL	1.794	95% Bootstrap t UCL	1.815
95% H-UCL (Log ROS)	1.52		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.396	Mean in Log Scale	-0.0292
SD in Original Scale	1.741	SD in Log Scale	0.785
95% t UCL (Assumes normality)	1.678	95% H-Stat UCL	1.545

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.731

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)pyrene-SVOC

General Statistics

Total Number of Observations	105	Number of Distinct Observations	53
		Number of Missing Observations	40
Number of Detects	95	Number of Non-Detects	10
Number of Distinct Detects	47	Number of Distinct Non-Detects	6
Minimum Detect	0.39	Minimum Non-Detect	0.21
Maximum Detect	8.6	Maximum Non-Detect	0.72
Variance Detects	2.06	Percent Non-Detects	9.524%
Mean Detects	1.309	SD Detects	1.435
Median Detects	0.94	CV Detects	1.096
Skewness Detects	3.641	Kurtosis Detects	13.76
Mean of Logged Detects	-7.840E-4	SD of Logged Detects	0.64

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.53	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.327	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0909	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.21	Standard Error of Mean	0.137
SD	1.393	95% KM (BCA) UCL	1.459
95% KM (t) UCL	1.436	95% KM (Percentile Bootstrap) UCL	1.455
95% KM (z) UCL	1.434	95% KM Bootstrap t UCL	1.538
90% KM Chebyshev UCL	1.62	95% KM Chebyshev UCL	1.805
97.5% KM Chebyshev UCL	2.063	99% KM Chebyshev UCL	2.569

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.635	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.765	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.223	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.093	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2	k star (bias corrected MLE)	1.944
Theta hat (MLE)	0.655	Theta star (bias corrected MLE)	0.674
nu hat (MLE)	379.9	nu star (bias corrected)	369.3
MLE Mean (bias corrected)	1.309	MLE Sd (bias corrected)	0.939

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.754	nu hat (KM)	158.4
Approximate Chi Square Value (158.35, α)	130.3	Adjusted Chi Square Value (158.35, β)	129.9
95% Gamma Approximate KM-UCL (use when n>=50)	1.47	95% Gamma Adjusted KM-UCL (use when n<50)	1.474

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.187
Maximum	8.6	Median	0.84
SD	1.416	CV	1.192
k hat (MLE)	0.991	k star (bias corrected MLE)	0.969
Theta hat (MLE)	1.199	Theta star (bias corrected MLE)	1.226
nu hat (MLE)	208	nu star (bias corrected)	203.4
MLE Mean (bias corrected)	1.187	MLE Sd (bias corrected)	1.206
		Adjusted Level of Significance (β)	0.0477
Approximate Chi Square Value (203.43, α)	171.4	Adjusted Chi Square Value (203.43, β)	171
95% Gamma Approximate UCL (use when n>=50)	1.409	95% Gamma Adjusted UCL (use when n<50)	1.412

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.152	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0909	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.212	Mean in Log Scale	-0.124
SD in Original Scale	1.398	SD in Log Scale	0.723
95% t UCL (assumes normality of ROS data)	1.438	95% Percentile Bootstrap UCL	1.444
95% BCA Bootstrap UCL	1.521	95% Bootstrap t UCL	1.528
95% H-UCL (Log ROS)	1.32		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.204	Mean in Log Scale	-0.158
SD in Original Scale	1.403	SD in Log Scale	0.786
95% t UCL (Assumes normality)	1.432	95% H-Stat UCL	1.36

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.459

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(b)fluoranthene-SVOC

General Statistics

Total Number of Observations	105	Number of Distinct Observations	46
		Number of Missing Observations	40
Number of Detects	100	Number of Non-Detects	5
Number of Distinct Detects	44	Number of Distinct Non-Detects	3
Minimum Detect	0.28	Minimum Non-Detect	0.35
Maximum Detect	10	Maximum Non-Detect	0.72
Variance Detects	2.707	Percent Non-Detects	4.762%
Mean Detects	1.62	SD Detects	1.645
Median Detects	1.2	CV Detects	1.016
Skewness Detects	3.571	Kurtosis Detects	13.78
Mean of Logged Detects	0.224	SD of Logged Detects	0.652

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.571	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.285	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0886	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.561	Standard Error of Mean	0.159
SD	1.62	95% KM (BCA) UCL	1.851
95% KM (t) UCL	1.824	95% KM (Percentile Bootstrap) UCL	1.818
95% KM (z) UCL	1.822	95% KM Bootstrap t UCL	1.914
90% KM Chebyshev UCL	2.037	95% KM Chebyshev UCL	2.253
97.5% KM Chebyshev UCL	2.553	99% KM Chebyshev UCL	3.141

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	4.177	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.764	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.17	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0906	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.089	k star (bias corrected MLE)	2.033
Theta hat (MLE)	0.775	Theta star (bias corrected MLE)	0.797
nu hat (MLE)	417.8	nu star (bias corrected)	406.6
MLE Mean (bias corrected)	1.62	MLE Sd (bias corrected)	1.136

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.928	nu hat (KM)	195
Approximate Chi Square Value (194.95, α)	163.6	Adjusted Chi Square Value (194.95, β)	163.3
95% Gamma Approximate KM-UCL (use when n>=50)	1.859	95% Gamma Adjusted KM-UCL (use when n<50)	1.864

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.544
Maximum	10	Median	1.1
SD	1.641	CV	1.062
k hat (MLE)	1.348	k star (bias corrected MLE)	1.316
Theta hat (MLE)	1.145	Theta star (bias corrected MLE)	1.173
nu hat (MLE)	283.1	nu star (bias corrected)	276.4
MLE Mean (bias corrected)	1.544	MLE Sd (bias corrected)	1.346
		Adjusted Level of Significance (β)	0.0477
Approximate Chi Square Value (276.38, α)	238.9	Adjusted Chi Square Value (276.38, β)	238.4
95% Gamma Approximate UCL (use when n>=50)	1.787	95% Gamma Adjusted UCL (use when n<50)	1.79

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.114	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0886	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.56	Mean in Log Scale	0.165
SD in Original Scale	1.627	SD in Log Scale	0.694
95% t UCL (assumes normality of ROS data)	1.824	95% Percentile Bootstrap UCL	1.832
95% BCA Bootstrap UCL	1.901	95% Bootstrap t UCL	1.904
95% H-UCL (Log ROS)	1.713		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.554	Mean in Log Scale	0.145
SD in Original Scale	1.632	SD in Log Scale	0.734
95% t UCL (Assumes normality)	1.819	95% H-Stat UCL	1.746

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.851

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Carbazole-SVOC

General Statistics

Total Number of Observations	95	Number of Distinct Observations	16
		Number of Missing Observations	50
Number of Detects	9	Number of Non-Detects	86
Number of Distinct Detects	9	Number of Distinct Non-Detects	10
Minimum Detect	0.35	Minimum Non-Detect	0.33
Maximum Detect	2.5	Maximum Non-Detect	1.8

Variance Detects	0.561	Percent Non-Detects	90.53%
Mean Detects	0.924	SD Detects	0.749
Median Detects	0.53	CV Detects	0.81
Skewness Detects	1.398	Kurtosis Detects	1.186
Mean of Logged Detects	-0.332	SD of Logged Detects	0.726

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.791	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.829	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.284	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.295	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.387	Standard Error of Mean	0.0304
SD	0.279	95% KM (BCA) UCL	0.448
95% KM (t) UCL	0.438	95% KM (Percentile Bootstrap) UCL	0.441
95% KM (z) UCL	0.437	95% KM Bootstrap t UCL	0.479
90% KM Chebyshev UCL	0.479	95% KM Chebyshev UCL	0.52
97.5% KM Chebyshev UCL	0.577	99% KM Chebyshev UCL	0.69

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.663	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.729	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.248	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.282	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.128	k star (bias corrected MLE)	1.493
Theta hat (MLE)	0.434	Theta star (bias corrected MLE)	0.619
nu hat (MLE)	38.3	nu star (bias corrected)	26.87
MLE Mean (bias corrected)	0.924	MLE Sd (bias corrected)	0.757

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.927	nu hat (KM)	366.2
Approximate Chi Square Value (366.17, α)	322.8	Adjusted Chi Square Value (366.17, β)	322.2
95% Gamma Approximate KM-UCL (use when n>=50)	0.439	95% Gamma Adjusted KM-UCL (use when n<50)	0.44

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0966
Maximum	2.5	Median	0.01
SD	0.347	CV	3.588
k hat (MLE)	0.359	k star (bias corrected MLE)	0.355
Theta hat (MLE)	0.269	Theta star (bias corrected MLE)	0.272
nu hat (MLE)	68.27	nu star (bias corrected)	67.45

MLE Mean (bias corrected)	0.0966	MLE Sd (bias corrected)	0.162
		Adjusted Level of Significance (β)	0.0475
Approximate Chi Square Value (67.45, α)	49.55	Adjusted Chi Square Value (67.45, β)	49.31
95% Gamma Approximate UCL (use when n>=50)	0.132	95% Gamma Adjusted UCL (use when n<50)	0.132

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.874	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.829	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.218	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.295	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.132	Mean in Log Scale	-3.357
SD in Original Scale	0.342	SD in Log Scale	1.563
95% t UCL (assumes normality of ROS data)	0.19	95% Percentile Bootstrap UCL	0.19
95% BCA Bootstrap UCL	0.219	95% Bootstrap t UCL	0.234
95% H-UCL (Log ROS)	0.188		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-1.033	95% H-UCL (KM -Log)	0.395
KM SD (logged)	0.311	95% Critical H Value (KM-Log)	1.75
KM Standard Error of Mean (logged)	0.034		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.263	Mean in Log Scale	-1.551
SD in Original Scale	0.317	SD in Log Scale	0.495
95% t UCL (Assumes normality)	0.317	95% H-Stat UCL	0.263

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.438	95% KM (Percentile Bootstrap) UCL	0.441

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Dibenz(a,h)anthracene-SVOC

General Statistics

Total Number of Observations	105	Number of Distinct Observations	18
		Number of Missing Observations	40
Number of Detects	6	Number of Non-Detects	99
Number of Distinct Detects	6	Number of Distinct Non-Detects	13
Minimum Detect	0.19	Minimum Non-Detect	0.19

Maximum Detect	1.5	Maximum Non-Detect	1.8
Variance Detects	0.27	Percent Non-Detects	94.29%
Mean Detects	0.665	SD Detects	0.519
Median Detects	0.465	CV Detects	0.781
Skewness Detects	1.027	Kurtosis Detects	-0.472
Mean of Logged Detects	-0.667	SD of Logged Detects	0.794

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.862	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.306	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.23	Standard Error of Mean	0.0212
SD	0.159	95% KM (BCA) UCL	0.28
95% KM (t) UCL	0.265	95% KM (Percentile Bootstrap) UCL	0.269
95% KM (z) UCL	0.264	95% KM Bootstrap t UCL	0.27
90% KM Chebyshev UCL	0.293	95% KM Chebyshev UCL	0.322
97.5% KM Chebyshev UCL	0.362	99% KM Chebyshev UCL	0.44

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.328	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.704	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.249	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.336	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.082	k star (bias corrected MLE)	1.152
Theta hat (MLE)	0.319	Theta star (bias corrected MLE)	0.577
nu hat (MLE)	24.98	nu star (bias corrected)	13.82
MLE Mean (bias corrected)	0.665	MLE Sd (bias corrected)	0.62

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	2.074	nu hat (KM)	435.5
Approximate Chi Square Value (435.50, α)	388.1	Adjusted Chi Square Value (435.50, β)	387.5
95% Gamma Approximate KM-UCL (use when n>=50)	0.258	95% Gamma Adjusted KM-UCL (use when n<50)	0.258

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0964
Maximum	1.5	Median	0.01
SD	0.211	CV	2.19
k hat (MLE)	0.475	k star (bias corrected MLE)	0.468
Theta hat (MLE)	0.203	Theta star (bias corrected MLE)	0.206

nu hat (MLE)	99.85	nu star (bias corrected)	98.33
MLE Mean (bias corrected)	0.0964	MLE Sd (bias corrected)	0.141
		Adjusted Level of Significance (β)	0.0477
Approximate Chi Square Value (98.33, α)	76.46	Adjusted Chi Square Value (98.33, β)	76.19
95% Gamma Approximate UCL (use when n>=50)	0.124	95% Gamma Adjusted UCL (use when n<50)	0.124

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.948	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.2	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.165	Mean in Log Scale	-2.137
SD in Original Scale	0.19	SD in Log Scale	0.781
95% t UCL (assumes normality of ROS data)	0.196	95% Percentile Bootstrap UCL	0.197
95% BCA Bootstrap UCL	0.209	95% Bootstrap t UCL	0.215
95% H-UCL (Log ROS)	0.187		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-1.55	95% H-UCL (KM -Log)	0.234
KM SD (logged)	0.307	95% Critical H Value (KM-Log)	1.737
KM Standard Error of Mean (logged)	0.0638		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.218	Mean in Log Scale	-1.64
SD in Original Scale	0.178	SD in Log Scale	0.381
95% t UCL (Assumes normality)	0.246	95% H-Stat UCL	0.223

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.265	95% KM (Percentile Bootstrap) UCL	0.269

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Indeno(1,2,3-cd)pyrene-SVOC

General Statistics

Total Number of Observations	105	Number of Distinct Observations	41
		Number of Missing Observations	40
Number of Detects	59	Number of Non-Detects	46
Number of Distinct Detects	37	Number of Distinct Non-Detects	10

Minimum Detect	0.33	Minimum Non-Detect	0.21
Maximum Detect	5	Maximum Non-Detect	1.8
Variance Detects	0.585	Percent Non-Detects	43.81%
Mean Detects	0.831	SD Detects	0.765
Median Detects	0.61	CV Detects	0.921
Skewness Detects	4.047	Kurtosis Detects	18.77
Mean of Logged Detects	-0.38	SD of Logged Detects	0.55

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.552	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.261	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.115	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.576	Standard Error of Mean	0.0641
SD	0.64	95% KM (BCA) UCL	0.711
95% KM (t) UCL	0.682	95% KM (Percentile Bootstrap) UCL	0.695
95% KM (z) UCL	0.681	95% KM Bootstrap t UCL	0.735
90% KM Chebyshev UCL	0.768	95% KM Chebyshev UCL	0.855
97.5% KM Chebyshev UCL	0.976	99% KM Chebyshev UCL	1.213

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.914	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.759	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.146	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.117	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.711	k star (bias corrected MLE)	2.585
Theta hat (MLE)	0.307	Theta star (bias corrected MLE)	0.322
nu hat (MLE)	320	nu star (bias corrected)	305
MLE Mean (bias corrected)	0.831	MLE Sd (bias corrected)	0.517

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.809	nu hat (KM)	170
Approximate Chi Square Value (169.97, α)	140.8	Adjusted Chi Square Value (169.97, β)	140.5
95% Gamma Approximate KM-UCL (use when n>=50)	0.695	95% Gamma Adjusted KM-UCL (use when n<50)	0.697

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.475
Maximum	5	Median	0.39
SD	0.701	CV	1.474
k hat (MLE)	0.456	k star (bias corrected MLE)	0.45

Theta hat (MLE)	1.042	Theta star (bias corrected MLE)	1.057
nu hat (MLE)	95.83	nu star (bias corrected)	94.42
MLE Mean (bias corrected)	0.475	MLE Sd (bias corrected)	0.709
		Adjusted Level of Significance (β)	0.0477
Approximate Chi Square Value (94.42, α)	73.01	Adjusted Chi Square Value (94.42, β)	72.75
95% Gamma Approximate UCL (use when n>=50)	0.615	95% Gamma Adjusted UCL (use when n<50)	0.617

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.113	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.115	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.556	Mean in Log Scale	-0.943
SD in Original Scale	0.653	SD in Log Scale	0.804
95% t UCL (assumes normality of ROS data)	0.662	95% Percentile Bootstrap UCL	0.671
95% BCA Bootstrap UCL	0.688	95% Bootstrap t UCL	0.717
95% H-UCL (Log ROS)	0.631		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-0.839	95% H-UCL (KM -Log)	0.62
KM SD (logged)	0.68	95% Critical H Value (KM-Log)	1.948
KM Standard Error of Mean (logged)	0.0788		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.554	Mean in Log Scale	-0.951
SD in Original Scale	0.657	SD in Log Scale	0.794
95% t UCL (Assumes normality)	0.66	95% H-Stat UCL	0.62

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.682	95% KM (% Bootstrap) UCL	0.695

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1242 (PCB-1242)

General Statistics

Total Number of Observations	130	Number of Distinct Observations	32
		Number of Missing Observations	15
Number of Detects	15	Number of Non-Detects	115
Number of Distinct Detects	12	Number of Distinct Non-Detects	23
Minimum Detect	0.22	Minimum Non-Detect	0.04

Maximum Detect	2.6	Maximum Non-Detect	2.2
Variance Detects	0.584	Percent Non-Detects	88.46%
Mean Detects	1.155	SD Detects	0.764
Median Detects	1.1	CV Detects	0.662
Skewness Detects	0.58	Kurtosis Detects	-0.921
Mean of Logged Detects	-0.0955	SD of Logged Detects	0.757

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.915	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.881	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.162	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.229	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.17	Standard Error of Mean	0.0397
SD	0.437	95% KM (BCA) UCL	0.235
95% KM (t) UCL	0.236	95% KM (Percentile Bootstrap) UCL	0.237
95% KM (z) UCL	0.236	95% KM Bootstrap t UCL	0.255
90% KM Chebyshev UCL	0.29	95% KM Chebyshev UCL	0.344
97.5% KM Chebyshev UCL	0.419	99% KM Chebyshev UCL	0.566

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.304	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.746	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.135	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.224	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.237	k star (bias corrected MLE)	1.834
Theta hat (MLE)	0.516	Theta star (bias corrected MLE)	0.63
nu hat (MLE)	67.11	nu star (bias corrected)	55.02
MLE Mean (bias corrected)	1.155	MLE Sd (bias corrected)	0.853

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.152	nu hat (KM)	39.64
Approximate Chi Square Value (39.64, α)	26.21	Adjusted Chi Square Value (39.64, β)	26.09
95% Gamma Approximate KM-UCL (use when n>=50)	0.258	95% Gamma Adjusted KM-UCL (use when n<50)	0.259

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.143
Maximum	2.6	Median	0.01
SD	0.445	CV	3.124
k hat (MLE)	0.321	k star (bias corrected MLE)	0.319
Theta hat (MLE)	0.443	Theta star (bias corrected MLE)	0.447

nu hat (MLE)	83.57	nu star (bias corrected)	82.98
MLE Mean (bias corrected)	0.143	MLE Sd (bias corrected)	0.252
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (82.98, α)	62.99	Adjusted Chi Square Value (82.98, β)	62.79
95% Gamma Approximate UCL (use when n>=50)	0.188	95% Gamma Adjusted UCL (use when n<50)	0.188

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.952	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.881	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.133	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.229	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.185	Mean in Log Scale	-3.015
SD in Original Scale	0.436	SD in Log Scale	1.54
95% t UCL (assumes normality of ROS data)	0.249	95% Percentile Bootstrap UCL	0.252
95% BCA Bootstrap UCL	0.262	95% Bootstrap t UCL	0.276
95% H-UCL (Log ROS)	0.232		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-2.849	95% H-UCL (KM -Log)	0.121
KM SD (logged)	1.036	95% Critical H Value (KM-Log)	2.224
KM Standard Error of Mean (logged)	0.0951		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.19	Mean in Log Scale	-2.991
SD in Original Scale	0.447	SD in Log Scale	1.358
95% t UCL (Assumes normality)	0.254	95% H-Stat UCL	0.171

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.236	95% KM (Percentile Bootstrap) UCL	0.237

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1248 (PCB-1248)

General Statistics

Total Number of Observations	130	Number of Distinct Observations	65
		Number of Missing Observations	15
Number of Detects	71	Number of Non-Detects	59
Number of Distinct Detects	49	Number of Distinct Non-Detects	21

Minimum Detect	0.11	Minimum Non-Detect	0.04
Maximum Detect	5.1	Maximum Non-Detect	2.2
Variance Detects	0.784	Percent Non-Detects	45.38%
Mean Detects	0.913	SD Detects	0.885
Median Detects	0.6	CV Detects	0.97
Skewness Detects	2.387	Kurtosis Detects	7.272
Mean of Logged Detects	-0.454	SD of Logged Detects	0.857

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.761	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	8.882E-16	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.193	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.105	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.524	Standard Error of Mean	0.069
SD	0.78	95% KM (BCA) UCL	0.636
95% KM (t) UCL	0.638	95% KM (Percentile Bootstrap) UCL	0.64
95% KM (z) UCL	0.638	95% KM Bootstrap t UCL	0.664
90% KM Chebyshev UCL	0.731	95% KM Chebyshev UCL	0.825
97.5% KM Chebyshev UCL	0.955	99% KM Chebyshev UCL	1.211

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.807	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.769	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.116	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.108	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.524	k star (bias corrected MLE)	1.469
Theta hat (MLE)	0.599	Theta star (bias corrected MLE)	0.621
nu hat (MLE)	216.4	nu star (bias corrected)	208.6
MLE Mean (bias corrected)	0.913	MLE Sd (bias corrected)	0.753

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.452	nu hat (KM)	117.5
Approximate Chi Square Value (117.46, α)	93.44	Adjusted Chi Square Value (117.46, β)	93.2
95% Gamma Approximate KM-UCL (use when n>=50)	0.659	95% Gamma Adjusted KM-UCL (use when n<50)	0.66

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.503
Maximum	5.1	Median	0.19
SD	0.793	CV	1.576
k hat (MLE)	0.401	k star (bias corrected MLE)	0.396

Theta hat (MLE)	1.256	Theta star (bias corrected MLE)	1.269
nu hat (MLE)	104.1	nu star (bias corrected)	103.1
MLE Mean (bias corrected)	0.503	MLE Sd (bias corrected)	0.799
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (103.08, α)	80.65	Adjusted Chi Square Value (103.08, β)	80.43
95% Gamma Approximate UCL (use when n>=50)	0.643	95% Gamma Adjusted UCL (use when n<50)	0.645

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.0615	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.105	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.542	Mean in Log Scale	-1.366
SD in Original Scale	0.77	SD in Log Scale	1.242
95% t UCL (assumes normality of ROS data)	0.654	95% Percentile Bootstrap UCL	0.66
95% BCA Bootstrap UCL	0.669	95% Bootstrap t UCL	0.674
95% H-UCL (Log ROS)	0.719		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-1.66	95% H-UCL (KM -Log)	0.832
KM SD (logged)	1.498	95% Critical H Value (KM-Log)	2.688
KM Standard Error of Mean (logged)	0.134		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.532	Mean in Log Scale	-1.747
SD in Original Scale	0.782	SD in Log Scale	1.683
95% t UCL (Assumes normality)	0.646	95% H-Stat UCL	1.102

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.638	95% KM (% Bootstrap) UCL	0.64

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1254 (PCB-1254)

General Statistics

Total Number of Observations	130	Number of Distinct Observations	50
		Number of Missing Observations	15
Number of Detects	46	Number of Non-Detects	84
Number of Distinct Detects	36	Number of Distinct Non-Detects	18
Minimum Detect	0.071	Minimum Non-Detect	0.04

Maximum Detect	5.6	Maximum Non-Detect	0.86
Variance Detects	1.688	Percent Non-Detects	64.62%
Mean Detects	0.89	SD Detects	1.299
Median Detects	0.385	CV Detects	1.459
Skewness Detects	2.728	Kurtosis Detects	7.08
Mean of Logged Detects	-0.757	SD of Logged Detects	1.081

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.591	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.945	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.28	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.131	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.344	Standard Error of Mean	0.0768
SD	0.865	95% KM (BCA) UCL	0.481
95% KM (t) UCL	0.471	95% KM (Percentile Bootstrap) UCL	0.477
95% KM (z) UCL	0.471	95% KM Bootstrap t UCL	0.531
90% KM Chebyshev UCL	0.575	95% KM Chebyshev UCL	0.679
97.5% KM Chebyshev UCL	0.824	99% KM Chebyshev UCL	1.108

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.013	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.782	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.183	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.135	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.911	k star (bias corrected MLE)	0.866
Theta hat (MLE)	0.977	Theta star (bias corrected MLE)	1.028
nu hat (MLE)	83.8	nu star (bias corrected)	79.67
MLE Mean (bias corrected)	0.89	MLE Sd (bias corrected)	0.957

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.158	nu hat (KM)	41.18
Approximate Chi Square Value (41.18, α)	27.47	Adjusted Chi Square Value (41.18, β)	27.34
95% Gamma Approximate KM-UCL (use when n>=50)	0.516	95% Gamma Adjusted KM-UCL (use when n<50)	0.518

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.321
Maximum	5.6	Median	0.01
SD	0.876	CV	2.725
k hat (MLE)	0.323	k star (bias corrected MLE)	0.321
Theta hat (MLE)	0.995	Theta star (bias corrected MLE)	1.002

nu hat (MLE)	84	nu star (bias corrected)	83.39
MLE Mean (bias corrected)	0.321	MLE Sd (bias corrected)	0.568
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (83.39, α)	63.35	Adjusted Chi Square Value (83.39, β)	63.15
95% Gamma Approximate UCL (use when n>=50)	0.423	95% Gamma Adjusted UCL (use when n<50)	0.425

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.956	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.945	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.102	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.131	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.335	Mean in Log Scale	-2.774
SD in Original Scale	0.871	SD in Log Scale	1.834
95% t UCL (assumes normality of ROS data)	0.462	95% Percentile Bootstrap UCL	0.466
95% BCA Bootstrap UCL	0.5	95% Bootstrap t UCL	0.536
95% H-UCL (Log ROS)	0.551		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-2.319	95% H-UCL (KM -Log)	0.324
KM SD (logged)	1.338	95% Critical H Value (KM-Log)	2.518
KM Standard Error of Mean (logged)	0.12		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.345	Mean in Log Scale	-2.542
SD in Original Scale	0.87	SD in Log Scale	1.586
95% t UCL (Assumes normality)	0.471	95% H-Stat UCL	0.409

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	0.481

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1260 (PCB-1260)

General Statistics

Total Number of Observations	130	Number of Distinct Observations	64
		Number of Missing Observations	15
Number of Detects	114	Number of Non-Detects	16
Number of Distinct Detects	58	Number of Distinct Non-Detects	12

Minimum Detect	0.047	Minimum Non-Detect	0.04
Maximum Detect	4.3	Maximum Non-Detect	0.86
Variance Detects	0.354	Percent Non-Detects	12.31%
Mean Detects	0.369	SD Detects	0.595
Median Detects	0.22	CV Detects	1.613
Skewness Detects	4.893	Kurtosis Detects	26.22
Mean of Logged Detects	-1.45	SD of Logged Detects	0.825

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.442	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.314	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.083	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.336	Standard Error of Mean	0.0497
SD	0.563	95% KM (BCA) UCL	0.425
95% KM (t) UCL	0.418	95% KM (Percentile Bootstrap) UCL	0.422
95% KM (z) UCL	0.417	95% KM Bootstrap t UCL	0.466
90% KM Chebyshev UCL	0.485	95% KM Chebyshev UCL	0.552
97.5% KM Chebyshev UCL	0.646	99% KM Chebyshev UCL	0.83

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.842	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.777	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.17	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0879	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.243	k star (bias corrected MLE)	1.216
Theta hat (MLE)	0.297	Theta star (bias corrected MLE)	0.303
nu hat (MLE)	283.5	nu star (bias corrected)	277.4
MLE Mean (bias corrected)	0.369	MLE Sd (bias corrected)	0.335

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.355	nu hat (KM)	92.32
Approximate Chi Square Value (92.32, α)	71.16	Adjusted Chi Square Value (92.32, β)	70.95
95% Gamma Approximate KM-UCL (use when n>=50)	0.435	95% Gamma Adjusted KM-UCL (use when n<50)	0.437

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.33
Maximum	4.3	Median	0.2
SD	0.568	CV	1.722
k hat (MLE)	0.907	k star (bias corrected MLE)	0.891

Theta hat (MLE)	0.364	Theta star (bias corrected MLE)	0.37
nu hat (MLE)	235.7	nu star (bias corrected)	231.6
MLE Mean (bias corrected)	0.33	MLE Sd (bias corrected)	0.349
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (231.59, α)	197.4	Adjusted Chi Square Value (231.59, β)	197
95% Gamma Approximate UCL (use when n>=50)	0.387	95% Gamma Adjusted UCL (use when n<50)	0.387

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.0833	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.083	Detected Data Not Lognormal at 5% Significance Level	

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.334	Mean in Log Scale	-1.603
SD in Original Scale	0.565	SD in Log Scale	0.908
95% t UCL (assumes normality of ROS data)	0.417	95% Percentile Bootstrap UCL	0.421
95% BCA Bootstrap UCL	0.45	95% Bootstrap t UCL	0.464
95% H-UCL (Log ROS)	0.36		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.337	Mean in Log Scale	-1.617
SD in Original Scale	0.565	SD in Log Scale	0.967
95% t UCL (Assumes normality)	0.419	95% H-Stat UCL	0.381

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	0.425

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SUM of PCBs-PCBs

General Statistics

Total Number of Observations	130	Number of Distinct Observations	101
		Number of Missing Observations	15
Number of Detects	126	Number of Non-Detects	4
Number of Distinct Detects	99	Number of Distinct Non-Detects	3
Minimum Detect	0.071	Minimum Non-Detect	0.04
Maximum Detect	9.9	Maximum Non-Detect	0.12
Variance Detects	2.262	Percent Non-Detects	3.077%
Mean Detects	1.311	SD Detects	1.504
Median Detects	0.89	CV Detects	1.148
Skewness Detects	3.36	Kurtosis Detects	14.01

Mean of Logged Detects	-0.15	SD of Logged Detects	0.919

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.655	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.23	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0789	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.272	Standard Error of Mean	0.131
SD	1.491	95% KM (BCA) UCL	1.528
95% KM (t) UCL	1.49	95% KM (Percentile Bootstrap) UCL	1.499
95% KM (z) UCL	1.488	95% KM Bootstrap t UCL	1.56
90% KM Chebyshev UCL	1.666	95% KM Chebyshev UCL	1.844
97.5% KM Chebyshev UCL	2.092	99% KM Chebyshev UCL	2.578

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.713	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.775	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.107	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0846	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.33	k star (bias corrected MLE)	1.304
Theta hat (MLE)	0.985	Theta star (bias corrected MLE)	1.005
nu hat (MLE)	335.2	nu star (bias corrected)	328.5
MLE Mean (bias corrected)	1.311	MLE Sd (bias corrected)	1.148

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.728	nu hat (KM)	189.3
Approximate Chi Square Value (189.35, α)	158.5	Adjusted Chi Square Value (189.35, β)	158.2
95% Gamma Approximate KM-UCL (use when n>=50)	1.52	95% Gamma Adjusted KM-UCL (use when n<50)	1.523

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.271
Maximum	9.9	Median	0.88
SD	1.498	CV	1.179
k hat (MLE)	1.085	k star (bias corrected MLE)	1.065
Theta hat (MLE)	1.171	Theta star (bias corrected MLE)	1.193
nu hat (MLE)	282.2	nu star (bias corrected)	277
MLE Mean (bias corrected)	1.271	MLE Sd (bias corrected)	1.231
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (276.98, α)	239.4	Adjusted Chi Square Value (276.98, β)	239
95% Gamma Approximate UCL (use when n>=50)	1.47	95% Gamma Adjusted UCL (use when n<50)	1.472

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.0537	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.0789	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.273	Mean in Log Scale	-0.218
SD in Original Scale	1.495	SD in Log Scale	0.982
95% t UCL (assumes normality of ROS data)	1.491	95% Percentile Bootstrap UCL	1.496
95% BCA Bootstrap UCL	1.518	95% Bootstrap t UCL	1.564
95% H-UCL (Log ROS)	1.572		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-0.235	95% H-UCL (KM -Log)	1.625
KM SD (logged)	1.022	95% Critical H Value (KM-Log)	2.211
KM Standard Error of Mean (logged)	0.0902		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.272	Mean in Log Scale	-0.241
SD in Original Scale	1.497	SD in Log Scale	1.043
95% t UCL (Assumes normality)	1.489	95% H-Stat UCL	1.662

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.528

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Arsenic

General Statistics

Total Number of Observations	105	Number of Distinct Observations	31
		Number of Missing Observations	40
Number of Detects	41	Number of Non-Detects	64
Number of Distinct Detects	28	Number of Distinct Non-Detects	7
Minimum Detect	3.3	Minimum Non-Detect	3
Maximum Detect	59	Maximum Non-Detect	3.6
Variance Detects	102.8	Percent Non-Detects	60.95%
Mean Detects	7.644	SD Detects	10.14
Median Detects	4.7	CV Detects	1.327
Skewness Detects	4.184	Kurtosis Detects	18.56
Mean of Logged Detects	1.728	SD of Logged Detects	0.627

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.434	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.941	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.368	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.138	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	4.821	Standard Error of Mean	0.658
SD	6.654	95% KM (BCA) UCL	6.074
95% KM (t) UCL	5.913	95% KM (Percentile Bootstrap) UCL	6.017
95% KM (z) UCL	5.903	95% KM Bootstrap t UCL	8.103
90% KM Chebyshev UCL	6.794	95% KM Chebyshev UCL	7.687
97.5% KM Chebyshev UCL	8.928	99% KM Chebyshev UCL	11.36

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.106	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.762	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.263	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.14	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.784	k star (bias corrected MLE)	1.67
Theta hat (MLE)	4.284	Theta star (bias corrected MLE)	4.578
nu hat (MLE)	146.3	nu star (bias corrected)	136.9
MLE Mean (bias corrected)	7.644	MLE Sd (bias corrected)	5.915

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.525	nu hat (KM)	110.2
Approximate Chi Square Value (110.24, α)	87.01	Adjusted Chi Square Value (110.24, β)	86.72
95% Gamma Approximate KM-UCL (use when n>=50)	6.109	95% Gamma Adjusted KM-UCL (use when n<50)	6.129

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.991
Maximum	59	Median	0.01
SD	7.318	CV	2.447
k hat (MLE)	0.224	k star (bias corrected MLE)	0.224
Theta hat (MLE)	13.35	Theta star (bias corrected MLE)	13.36
nu hat (MLE)	47.03	nu star (bias corrected)	47.02
MLE Mean (bias corrected)	2.991	MLE Sd (bias corrected)	6.32
		Adjusted Level of Significance (β)	0.0477
Approximate Chi Square Value (47.02, α)	32.29	Adjusted Chi Square Value (47.02, β)	32.12
95% Gamma Approximate UCL (use when n>=50)	4.356	95% Gamma Adjusted UCL (use when n<50)	4.379

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.745	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.941	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.197	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.138	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	3.692	Mean in Log Scale	0.668
SD in Original Scale	7.063	SD in Log Scale	1.048
95% t UCL (assumes normality of ROS data)	4.836	95% Percentile Bootstrap UCL	4.979
95% BCA Bootstrap UCL	5.525	95% Bootstrap t UCL	6.116
95% H-UCL (Log ROS)	4.257		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	4.004	Mean in Log Scale	0.987
SD in Original Scale	6.937	SD in Log Scale	0.712
95% t UCL (Assumes normality)	5.127	95% H-Stat UCL	3.97

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	5.913	95% KM (% Bootstrap) UCL	6.017

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Lead

General Statistics

Total Number of Observations	105	Number of Distinct Observations	70
		Number of Missing Observations	40
Minimum	5.5	Mean	137.1
Maximum	1700	Median	83
SD	242.6	Std. Error of Mean	23.67
Coefficient of Variation	1.769	Skewness	4.866

Normal GOF Test

Shapiro Wilk Test Statistic	0.407	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.352	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0865	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	176.4	95% Adjusted-CLT UCL (Chen-1995)	188.1
		95% Modified-t UCL (Johnson-1978)	178.3

Gamma GOF Test

A-D Test Statistic	7.332	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.78	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.235	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.0905	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.131	k star (bias corrected MLE)	1.105
Theta hat (MLE)	121.3	Theta star (bias corrected MLE)	124.1
nu hat (MLE)	237.5	nu star (bias corrected)	232
MLE Mean (bias corrected)	137.1	MLE Sd (bias corrected)	130.5
		Approximate Chi Square Value (0.05)	197.8
Adjusted Level of Significance	0.0477	Adjusted Chi Square Value	197.3

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	160.9	95% Adjusted Gamma UCL (use when n<50)	161.3

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.93	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	1.1219E-5	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.141	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0865	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.705	Mean of logged Data	4.418
Maximum of Logged Data	7.438	SD of logged Data	0.872

Assuming Lognormal Distribution

95% H-UCL	145.1	90% Chebyshev (MVUE) UCL	156.4
95% Chebyshev (MVUE) UCL	172.5	97.5% Chebyshev (MVUE) UCL	195
99% Chebyshev (MVUE) UCL	239		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	176.1	95% Jackknife UCL	176.4
95% Standard Bootstrap UCL	175.1	95% Bootstrap-t UCL	209.4
95% Hall's Bootstrap UCL	187.5	95% Percentile Bootstrap UCL	179.2
95% BCA Bootstrap UCL	192.3		
90% Chebyshev(Mean, Sd) UCL	208.2	95% Chebyshev(Mean, Sd) UCL	240.3
97.5% Chebyshev(Mean, Sd) UCL	285	99% Chebyshev(Mean, Sd) UCL	372.7

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	240.3

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Thallium

General Statistics

Total Number of Observations	95	Number of Distinct Observations	13
		Number of Missing Observations	50
Number of Detects	1	Number of Non-Detects	94
Number of Distinct Detects	1	Number of Distinct Non-Detects	12

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Thallium was not processed!

Total Petroleum Hydrocarbons (C9-C36)

General Statistics

Total Number of Observations	10	Number of Distinct Observations	10
		Number of Missing Observations	133
Minimum	100	Mean	521
Maximum	1100	Median	470
SD	305.1	Std. Error of Mean	96.49
Coefficient of Variation	0.586	Skewness	0.782

Normal GOF Test

Shapiro Wilk Test Statistic	0.942	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.149	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	697.9	95% Adjusted-CLT UCL (Chen-1995)	705.2
		95% Modified-t UCL (Johnson-1978)	701.8

Gamma GOF Test

A-D Test Statistic	0.182	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.732	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.109	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.269	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.927	k star (bias corrected MLE)	2.116
Theta hat (MLE)	178	Theta star (bias corrected MLE)	246.2
nu hat (MLE)	58.55	nu star (bias corrected)	42.32
MLE Mean (bias corrected)	521	MLE Sd (bias corrected)	358.2
		Approximate Chi Square Value (0.05)	28.4
Adjusted Level of Significance	0.0267	Adjusted Chi Square Value	26.44

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	776.2	95% Adjusted Gamma UCL (use when n<50)	834

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.945	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.842	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.143	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.28	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	4.605	Mean of logged Data	6.075
Maximum of Logged Data	7.003	SD of logged Data	0.684

Assuming Lognormal Distribution

95% H-UCL	972.8	90% Chebyshev (MVUE) UCL	892.2
95% Chebyshev (MVUE) UCL	1054	97.5% Chebyshev (MVUE) UCL	1279
99% Chebyshev (MVUE) UCL	1720		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	679.7	95% Jackknife UCL	697.9
95% Standard Bootstrap UCL	670.5	95% Bootstrap-t UCL	748.7
95% Hall's Bootstrap UCL	833.4	95% Percentile Bootstrap UCL	672
95% BCA Bootstrap UCL	682		
90% Chebyshev(Mean, Sd) UCL	810.5	95% Chebyshev(Mean, Sd) UCL	941.6
97.5% Chebyshev(Mean, Sd) UCL	1124	99% Chebyshev(Mean, Sd) UCL	1481

Suggested UCL to Use

95% Student's-t UCL	697.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

C5-C8 ALIPHATICS, ADJ.

General Statistics

Total Number of Observations	95	Number of Distinct Observations	13
		Number of Missing Observations	50
Number of Detects	6	Number of Non-Detects	89
Number of Distinct Detects	5	Number of Distinct Non-Detects	11
Minimum Detect	1	Minimum Non-Detect	1
Maximum Detect	3.8	Maximum Non-Detect	2
Variance Detects	1.242	Percent Non-Detects	93.68%
Mean Detects	2.017	SD Detects	1.114
Median Detects	1.45	CV Detects	0.553
Skewness Detects	1.076	Kurtosis Detects	-0.585
Mean of Logged Detects	0.585	SD of Logged Detects	0.515

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.822	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.345	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.066	Standard Error of Mean	0.0402
SD	0.357	95% KM (BCA) UCL	1.141
95% KM (t) UCL	1.133	95% KM (Percentile Bootstrap) UCL	1.131
95% KM (z) UCL	1.133	95% KM Bootstrap t UCL	1.228
90% KM Chebyshev UCL	1.187	95% KM Chebyshev UCL	1.242
97.5% KM Chebyshev UCL	1.318	99% KM Chebyshev UCL	1.467

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.571	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.699	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.335	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.333	Detected Data Not Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	4.466	k star (bias corrected MLE)	2.344
Theta hat (MLE)	0.452	Theta star (bias corrected MLE)	0.86
nu hat (MLE)	53.59	nu star (bias corrected)	28.13
MLE Mean (bias corrected)	2.017	MLE Sd (bias corrected)	1.317

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	8.944	nu hat (KM)	1699
Approximate Chi Square Value (N/A, α)	1605	Adjusted Chi Square Value (N/A, β)	1603
95% Gamma Approximate KM-UCL (use when n>=50)	1.129	95% Gamma Adjusted KM-UCL (use when n<50)	1.13

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.156
Maximum	3.8	Median	0.01
SD	0.557	CV	3.584
k hat (MLE)	0.308	k star (bias corrected MLE)	0.305
Theta hat (MLE)	0.505	Theta star (bias corrected MLE)	0.509
nu hat (MLE)	58.55	nu star (bias corrected)	58.03
MLE Mean (bias corrected)	0.156	MLE Sd (bias corrected)	0.281
		Adjusted Level of Significance (β)	0.0475
Approximate Chi Square Value (58.03, α)	41.52	Adjusted Chi Square Value (58.03, β)	41.3
95% Gamma Approximate UCL (use when n>=50)	0.217	95% Gamma Adjusted UCL (use when n<50)	0.218

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.878	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.303	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.354	Mean in Log Scale	-1.617
SD in Original Scale	0.541	SD in Log Scale	1.03
95% t UCL (assumes normality of ROS data)	0.446	95% Percentile Bootstrap UCL	0.445
95% BCA Bootstrap UCL	0.481	95% Bootstrap t UCL	0.51
95% H-UCL (Log ROS)	0.43		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.0387	95% H-UCL (KM -Log)	1.093
KM SD (logged)	0.186	95% Critical H Value (KM-Log)	1.703
KM Standard Error of Mean (logged)	0.0211		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.718	Mean in Log Scale	-0.407
SD in Original Scale	0.438	SD in Log Scale	0.323
95% t UCL (Assumes normality)	0.793	95% H-Stat UCL	0.744

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.133	95% KM (Percentile Bootstrap) UCL	1.131

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C10 AROMATICS

General Statistics

Total Number of Observations	95	Number of Distinct Observations	19
		Number of Missing Observations	50
Number of Detects	17	Number of Non-Detects	78
Number of Distinct Detects	15	Number of Distinct Non-Detects	11
Minimum Detect	1.1	Minimum Non-Detect	1
Maximum Detect	7.8	Maximum Non-Detect	2
Variance Detects	3.751	Percent Non-Detects	82.11%
Mean Detects	2.871	SD Detects	1.937
Median Detects	2	CV Detects	0.675
Skewness Detects	1.591	Kurtosis Detects	1.775
Mean of Logged Detects	0.885	SD of Logged Detects	0.569

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.79	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.892	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.224	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.215	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.339	Standard Error of Mean	0.113
SD	1.07	95% KM (BCA) UCL	1.534
95% KM (t) UCL	1.528	95% KM (Percentile Bootstrap) UCL	1.536
95% KM (z) UCL	1.526	95% KM Bootstrap t UCL	1.631
90% KM Chebyshev UCL	1.679	95% KM Chebyshev UCL	1.833
97.5% KM Chebyshev UCL	2.047	99% KM Chebyshev UCL	2.466

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.835	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.745	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.189	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.211	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	3.111	k star (bias corrected MLE)	2.601
Theta hat (MLE)	0.923	Theta star (bias corrected MLE)	1.104
nu hat (MLE)	105.8	nu star (bias corrected)	88.44
MLE Mean (bias corrected)	2.871	MLE Sd (bias corrected)	1.78

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.568	nu hat (KM)	297.9
Approximate Chi Square Value (297.90, α)	258.9	Adjusted Chi Square Value (297.90, β)	258.4
95% Gamma Approximate KM-UCL (use when n>=50)	1.541	95% Gamma Adjusted KM-UCL (use when n<50)	1.544

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.525
Maximum	7.8	Median	0.01
SD	1.361	CV	2.594
k hat (MLE)	0.243	k star (bias corrected MLE)	0.242
Theta hat (MLE)	2.163	Theta star (bias corrected MLE)	2.168
nu hat (MLE)	46.08	nu star (bias corrected)	45.96
MLE Mean (bias corrected)	0.525	MLE Sd (bias corrected)	1.066
		Adjusted Level of Significance (β)	0.0475
Approximate Chi Square Value (45.96, α)	31.4	Adjusted Chi Square Value (45.96, β)	31.22
95% Gamma Approximate UCL (use when n>=50)	0.768	95% Gamma Adjusted UCL (use when n<50)	0.772

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.923	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.892	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.162	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.215	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.78	Mean in Log Scale	-1.032
SD in Original Scale	1.285	SD in Log Scale	1.218
95% t UCL (assumes normality of ROS data)	0.999	95% Percentile Bootstrap UCL	1.003
95% BCA Bootstrap UCL	1.074	95% Bootstrap t UCL	1.083
95% H-UCL (Log ROS)	1.021		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.163	95% H-UCL (KM -Log)	1.382
KM SD (logged)	0.412	95% Critical H Value (KM-Log)	1.8
KM Standard Error of Mean (logged)	0.0437		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.031	Mean in Log Scale	-0.231
SD in Original Scale	1.18	SD in Log Scale	0.59
95% t UCL (Assumes normality)	1.232	95% H-Stat UCL	1.061

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.528	95% GROS Approximate Gamma UCL	0.768
95% Approximate Gamma KM-UCL	1.541		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C12 ALIPHATICS, ADJ.

General Statistics

Total Number of Observations	95	Number of Distinct Observations	18
		Number of Missing Observations	50
Number of Detects	9	Number of Non-Detects	86
Number of Distinct Detects	9	Number of Distinct Non-Detects	12
Minimum Detect	1.5	Minimum Non-Detect	1
Maximum Detect	6.8	Maximum Non-Detect	2.5
Variance Detects	3.224	Percent Non-Detects	90.53%
Mean Detects	3.378	SD Detects	1.796
Median Detects	2.8	CV Detects	0.532
Skewness Detects	1.063	Kurtosis Detects	0.146
Mean of Logged Detects	1.101	SD of Logged Detects	0.505

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.887	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.829	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.228	Lilliefors GOF Test
5% Lilliefors Critical Value	0.295	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.226	Standard Error of Mean	0.0947
SD	0.87	95% KM (BCA) UCL	1.375
95% KM (t) UCL	1.383	95% KM (Percentile Bootstrap) UCL	1.38
95% KM (z) UCL	1.382	95% KM Bootstrap t UCL	1.437
90% KM Chebyshev UCL	1.51	95% KM Chebyshev UCL	1.639
97.5% KM Chebyshev UCL	1.817	99% KM Chebyshev UCL	2.168

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.294	Anderson-Darling GOF Test
5% A-D Critical Value	0.724	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.174	Kolmogrov-Smirnoff GOF
5% K-S Critical Value	0.28	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	4.457	k star (bias corrected MLE)	3.045
Theta hat (MLE)	0.758	Theta star (bias corrected MLE)	1.109
nu hat (MLE)	80.22	nu star (bias corrected)	54.81
MLE Mean (bias corrected)	3.378	MLE Sd (bias corrected)	1.936

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.987	nu hat (KM)	377.5
Approximate Chi Square Value (377.49, α)	333.5	Adjusted Chi Square Value (377.49, β)	332.8
95% Gamma Approximate KM-UCL (use when n>=50)	1.388	95% Gamma Adjusted KM-UCL (use when n<50)	1.391

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.333
Maximum	6.8	Median	0.01
SD	1.121	CV	3.362
k hat (MLE)	0.245	k star (bias corrected MLE)	0.245
Theta hat (MLE)	1.359	Theta star (bias corrected MLE)	1.363
nu hat (MLE)	46.62	nu star (bias corrected)	46.48
MLE Mean (bias corrected)	0.333	MLE Sd (bias corrected)	0.674
		Adjusted Level of Significance (β)	0.0475
Approximate Chi Square Value (46.48, α)	31.84	Adjusted Chi Square Value (46.48, β)	31.65
95% Gamma Approximate UCL (use when n>=50)	0.487	95% Gamma Adjusted UCL (use when n<50)	0.49

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.961	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.829	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.143	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.295	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.578	Mean in Log Scale	-1.457
SD in Original Scale	1.082	SD in Log Scale	1.303
95% t UCL (assumes normality of ROS data)	0.762	95% Percentile Bootstrap UCL	0.754
95% BCA Bootstrap UCL	0.833	95% Bootstrap t UCL	0.854
95% H-UCL (Log ROS)	0.769		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.105	95% H-UCL (KM -Log)	1.262
KM SD (logged)	0.354	95% Critical H Value (KM-Log)	1.77
KM Standard Error of Mean (logged)	0.0386		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.894	Mean in Log Scale	-0.321
SD in Original Scale	0.97	SD in Log Scale	0.511
95% t UCL (Assumes normality)	1.059	95% H-Stat UCL	0.911

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.383	95% KM (Percentile Bootstrap) UCL	1.38

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C11-C22 AROMATICS, ADJ.

General Statistics

Total Number of Observations	94	Number of Distinct Observations	47
		Number of Missing Observations	51
Number of Detects	93	Number of Non-Detects	1
Number of Distinct Detects	46	Number of Distinct Non-Detects	1
Minimum Detect	33	Minimum Non-Detect	32
Maximum Detect	660	Maximum Non-Detect	32
Variance Detects	9358	Percent Non-Detects	1.064%
Mean Detects	133.2	SD Detects	96.74
Median Detects	110	CV Detects	0.726
Skewness Detects	3.42	Kurtosis Detects	13.99
Mean of Logged Detects	4.744	SD of Logged Detects	0.496

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.639	Normal GOF Test on Detected Observations Only
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.248	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0919	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	132.1	Standard Error of Mean	9.982
SD	96.26	95% KM (BCA) UCL	149.9
95% KM (t) UCL	148.7	95% KM (Percentile Bootstrap) UCL	150.1
95% KM (z) UCL	148.5	95% KM Bootstrap t UCL	154.4
90% KM Chebyshev UCL	162	95% KM Chebyshev UCL	175.6
97.5% KM Chebyshev UCL	194.4	99% KM Chebyshev UCL	231.4

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	4.341	Anderson-Darling GOF Test
5% A-D Critical Value	0.757	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.178	Kolmogrov-Smirnoff GOF
5% K-S Critical Value	0.0932	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	3.549	k star (bias corrected MLE)	3.441
Theta hat (MLE)	37.53	Theta star (bias corrected MLE)	38.7
nu hat (MLE)	660.1	nu star (bias corrected)	640.1
MLE Mean (bias corrected)	133.2	MLE Sd (bias corrected)	71.79

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.883	nu hat (KM)	354
Approximate Chi Square Value (354.02, α)	311.4	Adjusted Chi Square Value (354.02, β)	310.8
95% Gamma Approximate KM-UCL (use when n>=50)	150.2	95% Gamma Adjusted KM-UCL (use when n<50)	150.5

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	131.8
Maximum	660	Median	110
SD	97.19	CV	0.738
k hat (MLE)	2.269	k star (bias corrected MLE)	2.204
Theta hat (MLE)	58.06	Theta star (bias corrected MLE)	59.78
nu hat (MLE)	426.6	nu star (bias corrected)	414.3
MLE Mean (bias corrected)	131.8	MLE Sd (bias corrected)	88.75
		Adjusted Level of Significance (β)	0.0474
Approximate Chi Square Value (414.33, α)	368.1	Adjusted Chi Square Value (414.33, β)	367.5
95% Gamma Approximate UCL (use when n>=50)	148.3	95% Gamma Adjusted UCL (use when n<50)	148.6

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.133	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0919	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	132.1	Mean in Log Scale	4.73
SD in Original Scale	96.79	SD in Log Scale	0.511
95% t UCL (assumes normality of ROS data)	148.7	95% Percentile Bootstrap UCL	148.8
95% BCA Bootstrap UCL	152.9	95% Bootstrap t UCL	155
95% H-UCL (Log ROS)	142.5		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	131.9	Mean in Log Scale	4.723
SD in Original Scale	96.97	SD in Log Scale	0.533
95% t UCL (Assumes normality)	148.5	95% H-Stat UCL	143.8

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL 149.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C19-C36 ALIPHATICS

General Statistics

Total Number of Observations	94	Number of Distinct Observations	48
		Number of Missing Observations	51
Minimum	35	Mean	152
Maximum	950	Median	115
SD	146.9	Std. Error of Mean	15.15
Coefficient of Variation	0.966	Skewness	3.728

Normal GOF Test

Shapiro Wilk Test Statistic	0.564	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.287	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0914	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	177.2	95% Adjusted-CLT UCL (Chen-1995)	183.1
		95% Modified-t UCL (Johnson-1978)	178.1

Gamma GOF Test

A-D Test Statistic	5.364	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.763	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.192	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.0933	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.418	k star (bias corrected MLE)	2.348
Theta hat (MLE)	62.86	Theta star (bias corrected MLE)	64.73
nu hat (MLE)	454.6	nu star (bias corrected)	441.4
MLE Mean (bias corrected)	152	MLE Sd (bias corrected)	99.19
		Approximate Chi Square Value (0.05)	393.7
Adjusted Level of Significance	0.0474	Adjusted Chi Square Value	393

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	170.4	95% Adjusted Gamma UCL (use when n<50)	170.7

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.908	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	2.1608E-7	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.129	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0914	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	3.555	Mean of logged Data	4.803
Maximum of Logged Data	6.856	SD of logged Data	0.583

Assuming Lognormal Distribution

95% H-UCL	162.1	90% Chebyshev (MVUE) UCL	172.1

95% Chebyshev (MVUE) UCL	184.8	97.5% Chebyshev (MVUE) UCL	202.4
99% Chebyshev (MVUE) UCL	236.9		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	176.9	95% Jackknife UCL	177.2
95% Standard Bootstrap UCL	176.7	95% Bootstrap-t UCL	191
95% Hall's Bootstrap UCL	186.6	95% Percentile Bootstrap UCL	177.8
95% BCA Bootstrap UCL	188.3		
90% Chebyshev(Mean, Sd) UCL	197.5	95% Chebyshev(Mean, Sd) UCL	218
97.5% Chebyshev(Mean, Sd) UCL	246.6	99% Chebyshev(Mean, Sd) UCL	302.7

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	218

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

C9-C18 ALIPHATICS

General Statistics

Total Number of Observations	94	Number of Distinct Observations	17
		Number of Missing Observations	51
Number of Detects	6	Number of Non-Detects	88
Number of Distinct Detects	6	Number of Distinct Non-Detects	11
Minimum Detect	43	Minimum Non-Detect	21
Maximum Detect	680	Maximum Non-Detect	36
Variance Detects	58144	Percent Non-Detects	93.62%
Mean Detects	368.8	SD Detects	241.1
Median Detects	400	CV Detects	0.654
Skewness Detects	-0.167	Kurtosis Detects	-1.394
Mean of Logged Detects	5.594	SD of Logged Detects	1.033

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.963	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.192	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	43.2	Standard Error of Mean	11.48
SD	101.6	95% KM (BCA) UCL	62.96
95% KM (t) UCL	62.27	95% KM (Percentile Bootstrap) UCL	62.52
95% KM (z) UCL	62.08	95% KM Bootstrap t UCL	59.74
90% KM Chebyshev UCL	77.64	95% KM Chebyshev UCL	93.24

97.5% KM Chebyshev UCL	114.9	99% KM Chebyshev UCL	157.4

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.341	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.706	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.24	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.337	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.727	k star (bias corrected MLE)	0.975
Theta hat (MLE)	213.6	Theta star (bias corrected MLE)	378.4
nu hat (MLE)	20.72	nu star (bias corrected)	11.7
MLE Mean (bias corrected)	368.8	MLE Sd (bias corrected)	373.6

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.181	nu hat (KM)	33.99
Approximate Chi Square Value (33.99, α)	21.66	Adjusted Chi Square Value (33.99, β)	21.51
95% Gamma Approximate KM-UCL (use when n>=50)	67.81	95% Gamma Adjusted KM-UCL (use when n<50)	68.29

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	23.55
Maximum	680	Median	0.01
SD	106.5	CV	4.522
k hat (MLE)	0.112	k star (bias corrected MLE)	0.116
Theta hat (MLE)	209.4	Theta star (bias corrected MLE)	203.1
nu hat (MLE)	21.14	nu star (bias corrected)	21.8
MLE Mean (bias corrected)	23.55	MLE Sd (bias corrected)	69.16
		Adjusted Level of Significance (β)	0.0474
Approximate Chi Square Value (21.80, α)	12.19	Adjusted Chi Square Value (21.80, β)	12.08
95% Gamma Approximate UCL (use when n>=50)	42.12	95% Gamma Adjusted UCL (use when n<50)	42.52

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.868	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.222	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	26.89	Mean in Log Scale	-0.225
SD in Original Scale	106	SD in Log Scale	2.692
95% t UCL (assumes normality of ROS data)	45.06	95% Percentile Bootstrap UCL	47.03
95% BCA Bootstrap UCL	49.3	95% Bootstrap t UCL	59.24
95% H-UCL (Log ROS)	99.8		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	3.207	95% H-UCL (KM -Log)	35.41
KM SD (logged)	0.667	95% Critical H Value (KM-Log)	1.982
KM Standard Error of Mean (logged)	0.0754		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	38.37	Mean in Log Scale	2.938
SD in Original Scale	103.2	SD in Log Scale	0.746
95% t UCL (Assumes normality)	56.06	95% H-Stat UCL	29.2

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	62.27	95% KM (Percentile Bootstrap) UCL	62.52

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	5/25/2016 9:51:39 AM
From File	2016-0525-ProUCL-TSCA 0-2 ft bgs-Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Cymene (p-Isopropyltoluene)-VOC

General Statistics

Total Number of Observations	136	Number of Distinct Observations	25
		Number of Missing Observations	174
Number of Detects	2	Number of Non-Detects	134
Number of Distinct Detects	2	Number of Distinct Non-Detects	25
Minimum Detect	0.0023	Minimum Non-Detect	0.0011
Maximum Detect	0.005	Maximum Non-Detect	0.37
Variance Detects	3.6450E-6	Percent Non-Detects	98.53%
Mean Detects	0.00365	SD Detects	0.00191
Median Detects	0.00365	CV Detects	0.523
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	-5.687	SD of Logged Detects	0.549

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.0012	Standard Error of Mean	9.3714E-5
SD	4.8532E-4	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.00135	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.00135	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.00148	95% KM Chebyshev UCL	0.0016
97.5% KM Chebyshev UCL	0.00178	99% KM Chebyshev UCL	0.00213

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	6.96	k star (bias corrected MLE)	N/A
Theta hat (MLE)	5.2441E-4	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	27.84	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	6.069	nu hat (KM)	1651

		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (N/A, α)	1557	Adjusted Chi Square Value (N/A, β)	1556
95% Gamma Approximate KM-UCL (use when n>=50)	0.00127	95% Gamma Adjusted KM-UCL (use when n<50)	0.00127

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	4.2420E-4	Mean in Log Scale	-8.272
SD in Original Scale	5.8247E-4	SD in Log Scale	0.983
95% t UCL (assumes normality of ROS data)	5.0692E-4	95% Percentile Bootstrap UCL	5.1401E-4
95% BCA Bootstrap UCL	5.3012E-4	95% Bootstrap t UCL	5.3998E-4
95% H-UCL (Log ROS)	4.9823E-4		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.00893	Mean in Log Scale	-5.888
SD in Original Scale	0.0299	SD in Log Scale	1.008
95% t UCL (Assumes normality)	0.0132	95% H-Stat UCL	0.00558

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.00135	95% KM (% Bootstrap) UCL	N/A

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)anthracene-SVOC

General Statistics

Total Number of Observations	136	Number of Distinct Observations	68
		Number of Missing Observations	174
Number of Detects	118	Number of Non-Detects	18
Number of Distinct Detects	64	Number of Distinct Non-Detects	10
Minimum Detect	0.22	Minimum Non-Detect	0.19
Maximum Detect	14	Maximum Non-Detect	0.76
Variance Detects	3.692	Percent Non-Detects	13.24%
Mean Detects	1.421	SD Detects	1.921
Median Detects	0.945	CV Detects	1.352
Skewness Detects	4.365	Kurtosis Detects	21.87
Mean of Logged Detects	-0.0231	SD of Logged Detects	0.763

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.505	**Normal GOF Test on Detected Observations Only**

5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.327	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0816	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.271	Standard Error of Mean	0.157
SD	1.824	95% KM (BCA) UCL	1.53
95% KM (t) UCL	1.531	95% KM (Percentile Bootstrap) UCL	1.558
95% KM (z) UCL	1.529	95% KM Bootstrap t UCL	1.659
90% KM Chebyshev UCL	1.742	95% KM Chebyshev UCL	1.956
97.5% KM Chebyshev UCL	2.252	99% KM Chebyshev UCL	2.834

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.886	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.771	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.201	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0864	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.48	k star (bias corrected MLE)	1.448
Theta hat (MLE)	0.96	Theta star (bias corrected MLE)	0.981
nu hat (MLE)	349.3	nu star (bias corrected)	341.8
MLE Mean (bias corrected)	1.421	MLE Sd (bias corrected)	1.181

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.486	nu hat (KM)	132.1
Approximate Chi Square Value (132.13, α)	106.6	Adjusted Chi Square Value (132.13, β)	106.3
95% Gamma Approximate KM-UCL (use when n>=50)	1.576	95% Gamma Adjusted KM-UCL (use when n<50)	1.579

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.235
Maximum	14	Median	0.87
SD	1.852	CV	1.5
k hat (MLE)	0.728	k star (bias corrected MLE)	0.717
Theta hat (MLE)	1.695	Theta star (bias corrected MLE)	1.722
nu hat (MLE)	198.1	nu star (bias corrected)	195.1
MLE Mean (bias corrected)	1.235	MLE Sd (bias corrected)	1.458
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (195.06, α)	163.7	Adjusted Chi Square Value (195.06, β)	163.4
95% Gamma Approximate UCL (use when n>=50)	1.471	95% Gamma Adjusted UCL (use when n<50)	1.474

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.124	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0816	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.268	Mean in Log Scale	-0.206
SD in Original Scale	1.832	SD in Log Scale	0.862
95% t UCL (assumes normality of ROS data)	1.528	95% Percentile Bootstrap UCL	1.54
95% BCA Bootstrap UCL	1.654	95% Bootstrap t UCL	1.65
95% H-UCL (Log ROS)	1.377		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.261	Mean in Log Scale	-0.235
SD in Original Scale	1.836	SD in Log Scale	0.906
95% t UCL (Assumes normality)	1.522	95% H-Stat UCL	1.406

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.53

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)pyrene-SVOC

General Statistics

Total Number of Observations	136	Number of Distinct Observations	65
		Number of Missing Observations	174
Number of Detects	113	Number of Non-Detects	23
Number of Distinct Detects	56	Number of Distinct Non-Detects	12
Minimum Detect	0.21	Minimum Non-Detect	0.19
Maximum Detect	14	Maximum Non-Detect	0.76
Variance Detects	3.04	Percent Non-Detects	16.91%
Mean Detects	1.293	SD Detects	1.743
Median Detects	0.87	CV Detects	1.348
Skewness Detects	4.899	Kurtosis Detects	28.77
Mean of Logged Detects	-0.0844	SD of Logged Detects	0.715

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.484	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.334	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0833	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.12	Standard Error of Mean	0.14
SD	1.629	95% KM (BCA) UCL	1.369
95% KM (t) UCL	1.352	95% KM (Percentile Bootstrap) UCL	1.35
95% KM (z) UCL	1.351	95% KM Bootstrap t UCL	1.481
90% KM Chebyshev UCL	1.541	95% KM Chebyshev UCL	1.731
97.5% KM Chebyshev UCL	1.996	99% KM Chebyshev UCL	2.516

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	6.213	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.769	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.216	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0876	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.61	k star (bias corrected MLE)	1.573
Theta hat (MLE)	0.803	Theta star (bias corrected MLE)	0.822
nu hat (MLE)	363.9	nu star (bias corrected)	355.6
MLE Mean (bias corrected)	1.293	MLE Sd (bias corrected)	1.031

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.473	nu hat (KM)	128.5
Approximate Chi Square Value (128.53, α)	103.3	Adjusted Chi Square Value (128.53, β)	103.1
95% Gamma Approximate KM-UCL (use when n>=50)	1.393	95% Gamma Adjusted KM-UCL (use when n<50)	1.396

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.077
Maximum	14	Median	0.795
SD	1.66	CV	1.542
k hat (MLE)	0.668	k star (bias corrected MLE)	0.658
Theta hat (MLE)	1.613	Theta star (bias corrected MLE)	1.637
nu hat (MLE)	181.6	nu star (bias corrected)	178.9
MLE Mean (bias corrected)	1.077	MLE Sd (bias corrected)	1.327
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (178.90, α)	149	Adjusted Chi Square Value (178.90, β)	148.7
95% Gamma Approximate UCL (use when n>=50)	1.293	95% Gamma Adjusted UCL (use when n<50)	1.295

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.136	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0833	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.117	Mean in Log Scale	-0.315
SD in Original Scale	1.636	SD in Log Scale	0.84
95% t UCL (assumes normality of ROS data)	1.349	95% Percentile Bootstrap UCL	1.364

95% BCA Bootstrap UCL	1.448	95% Bootstrap t UCL	1.494
95% H-UCL (Log ROS)	1.205		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.108	Mean in Log Scale	-0.356
SD in Original Scale	1.641	SD in Log Scale	0.902
95% t UCL (Assumes normality)	1.341	95% H-Stat UCL	1.24

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.369

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(b)fluoranthene-SVOC

General Statistics

Total Number of Observations	136	Number of Distinct Observations	63
		Number of Missing Observations	174
Number of Detects	122	Number of Non-Detects	14
Number of Distinct Detects	57	Number of Distinct Non-Detects	8
Minimum Detect	0.23	Minimum Non-Detect	0.18
Maximum Detect	17	Maximum Non-Detect	0.76
Variance Detects	4.007	Percent Non-Detects	10.29%
Mean Detects	1.573	SD Detects	2.002
Median Detects	1.1	CV Detects	1.273
Skewness Detects	5.044	Kurtosis Detects	32.06
Mean of Logged Detects	0.115	SD of Logged Detects	0.744

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.517	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.296	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0802	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.442	Standard Error of Mean	0.166
SD	1.928	95% KM (BCA) UCL	1.735
95% KM (t) UCL	1.717	95% KM (Percentile Bootstrap) UCL	1.724
95% KM (z) UCL	1.715	95% KM Bootstrap t UCL	1.892
90% KM Chebyshev UCL	1.94	95% KM Chebyshev UCL	2.166
97.5% KM Chebyshev UCL	2.479	99% KM Chebyshev UCL	3.094

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	4.404	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.769	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.17	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0852	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.629	k star (bias corrected MLE)	1.594
Theta hat (MLE)	0.966	Theta star (bias corrected MLE)	0.987
nu hat (MLE)	397.4	nu star (bias corrected)	389
MLE Mean (bias corrected)	1.573	MLE Sd (bias corrected)	1.246

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.56	nu hat (KM)	152.2
Approximate Chi Square Value (152.22, α)	124.7	Adjusted Chi Square Value (152.22, β)	124.4
95% Gamma Approximate KM-UCL (use when n>=50)	1.76	95% Gamma Adjusted KM-UCL (use when n<50)	1.764

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.412
Maximum	17	Median	1
SD	1.954	CV	1.384
k hat (MLE)	0.83	k star (bias corrected MLE)	0.817
Theta hat (MLE)	1.7	Theta star (bias corrected MLE)	1.728
nu hat (MLE)	225.8	nu star (bias corrected)	222.2
MLE Mean (bias corrected)	1.412	MLE Sd (bias corrected)	1.562
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (222.18, α)	188.7	Adjusted Chi Square Value (222.18, β)	188.4
95% Gamma Approximate UCL (use when n>=50)	1.662	95% Gamma Adjusted UCL (use when n<50)	1.665

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.1	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0802	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.442	Mean in Log Scale	-0.0257
SD in Original Scale	1.935	SD in Log Scale	0.827
95% t UCL (assumes normality of ROS data)	1.717	95% Percentile Bootstrap UCL	1.718
95% BCA Bootstrap UCL	1.8	95% Bootstrap t UCL	1.859
95% H-UCL (Log ROS)	1.587		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1.434	Mean in Log Scale	-0.0572

SD in Original Scale	1.939	SD in Log Scale	0.88
95% t UCL (Assumes normality)	1.71	95% H-Stat UCL	1.629

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.735

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Carbazole-SVOC

General Statistics

Total Number of Observations	111	Number of Distinct Observations	19
		Number of Missing Observations	199
Number of Detects	10	Number of Non-Detects	101
Number of Distinct Detects	10	Number of Distinct Non-Detects	12
Minimum Detect	0.35	Minimum Non-Detect	0.33
Maximum Detect	2.5	Maximum Non-Detect	1.8
Variance Detects	0.487	Percent Non-Detects	90.99%
Mean Detects	0.944	SD Detects	0.698
Median Detects	0.645	CV Detects	0.74
Skewness Detects	1.413	Kurtosis Detects	1.592
Mean of Logged Detects	-0.275	SD of Logged Detects	0.677

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.834	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.237	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.386	Standard Error of Mean	0.0267
SD	0.266	95% KM (BCA) UCL	0.436
95% KM (t) UCL	0.431	95% KM (Percentile Bootstrap) UCL	0.431
95% KM (z) UCL	0.43	95% KM Bootstrap t UCL	0.461
90% KM Chebyshev UCL	0.466	95% KM Chebyshev UCL	0.503
97.5% KM Chebyshev UCL	0.553	99% KM Chebyshev UCL	0.652

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.413	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.734	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.19	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.269	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.459	k star (bias corrected MLE)	1.788
Theta hat (MLE)	0.384	Theta star (bias corrected MLE)	0.528
nu hat (MLE)	49.18	nu star (bias corrected)	35.76
MLE Mean (bias corrected)	0.944	MLE Sd (bias corrected)	0.706

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	2.112	nu hat (KM)	468.9
Approximate Chi Square Value (468.90, α)	419.7	Adjusted Chi Square Value (468.90, β)	419.1
95% Gamma Approximate KM-UCL (use when n>=50)	0.432	95% Gamma Adjusted KM-UCL (use when n<50)	0.432

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0942
Maximum	2.5	Median	0.01
SD	0.335	CV	3.555
k hat (MLE)	0.361	k star (bias corrected MLE)	0.358
Theta hat (MLE)	0.26	Theta star (bias corrected MLE)	0.263
nu hat (MLE)	80.25	nu star (bias corrected)	79.41
MLE Mean (bias corrected)	0.0942	MLE Sd (bias corrected)	0.157
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (79.41, α)	59.88	Adjusted Chi Square Value (79.41, β)	59.66
95% Gamma Approximate UCL (use when n>=50)	0.125	95% Gamma Adjusted UCL (use when n<50)	0.125

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.931	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.148	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.137	Mean in Log Scale	-3.198
SD in Original Scale	0.329	SD in Log Scale	1.492
95% t UCL (assumes normality of ROS data)	0.188	95% Percentile Bootstrap UCL	0.192
95% BCA Bootstrap UCL	0.213	95% Bootstrap t UCL	0.223
95% H-UCL (Log ROS)	0.183		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-1.031	95% H-UCL (KM -Log)	0.394
KM SD (logged)	0.308	95% Critical H Value (KM-Log)	1.739
KM Standard Error of Mean (logged)	0.031		

DL/2 Statistics

DL/2 Normal **DL/2 Log-Transformed**

Mean in Original Scale	0.263	Mean in Log Scale	-1.543
SD in Original Scale	0.304	SD in Log Scale	0.494
95% t UCL (Assumes normality)	0.311	95% H-Stat UCL	0.263

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.431	95% KM (Percentile Bootstrap) UCL	0.431

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Dibenz(a,h)anthracene-SVOC

General Statistics

Total Number of Observations	136	Number of Distinct Observations	23
		Number of Missing Observations	174
Number of Detects	6	Number of Non-Detects	130
Number of Distinct Detects	6	Number of Distinct Non-Detects	18
Minimum Detect	0.19	Minimum Non-Detect	0.18
Maximum Detect	2.6	Maximum Non-Detect	1.8
Variance Detects	0.788	Percent Non-Detects	95.59%
Mean Detects	0.893	SD Detects	0.888
Median Detects	0.51	CV Detects	0.994
Skewness Detects	1.898	Kurtosis Detects	3.674
Mean of Logged Detects	-0.46	SD of Logged Detects	0.891

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.766	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.321	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.213	Standard Error of Mean	0.0212
SD	0.225	95% KM (BCA) UCL	0.251
95% KM (t) UCL	0.248	95% KM (Percentile Bootstrap) UCL	0.249
95% KM (z) UCL	0.248	95% KM Bootstrap t UCL	0.292
90% KM Chebyshev UCL	0.277	95% KM Chebyshev UCL	0.305
97.5% KM Chebyshev UCL	0.345	99% KM Chebyshev UCL	0.424

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.413	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.707	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.288	**Kolmogrov-Smirnoff GOF**

5% K-S Critical Value	0.337	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.587	k star (bias corrected MLE)	0.905
Theta hat (MLE)	0.563	Theta star (bias corrected MLE)	0.987
nu hat (MLE)	19.05	nu star (bias corrected)	10.86
MLE Mean (bias corrected)	0.893	MLE Sd (bias corrected)	0.939

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.897	nu hat (KM)	244.1
Approximate Chi Square Value (244.10, α)	208.9	Adjusted Chi Square Value (244.10, β)	208.6
95% Gamma Approximate KM-UCL (use when n>=50)	0.249	95% Gamma Adjusted KM-UCL (use when n<50)	0.249

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.049
Maximum	2.6	Median	0.01
SD	0.25	CV	5.099
k hat (MLE)	0.458	k star (bias corrected MLE)	0.453
Theta hat (MLE)	0.107	Theta star (bias corrected MLE)	0.108
nu hat (MLE)	124.6	nu star (bias corrected)	123.2
MLE Mean (bias corrected)	0.049	MLE Sd (bias corrected)	0.0728
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (123.18, α)	98.55	Adjusted Chi Square Value (123.18, β)	98.32
95% Gamma Approximate UCL (use when n>=50)	0.0612	95% Gamma Adjusted UCL (use when n<50)	0.0614

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.952	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.236	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0654	Mean in Log Scale	-4.36
SD in Original Scale	0.25	SD in Log Scale	1.675
95% t UCL (assumes normality of ROS data)	0.101	95% Percentile Bootstrap UCL	0.103
95% BCA Bootstrap UCL	0.131	95% Bootstrap t UCL	0.166
95% H-UCL (Log ROS)	0.0788		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-1.652	95% H-UCL (KM -Log)	0.211
KM SD (logged)	0.311	95% Critical H Value (KM-Log)	1.734
KM Standard Error of Mean (logged)	0.0301		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.217	Mean in Log Scale	-1.688
SD in Original Scale	0.24	SD in Log Scale	0.447
95% t UCL (Assumes normality)	0.251	95% H-Stat UCL	0.219

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.248	95% KM (Percentile Bootstrap) UCL	0.249

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Indeno(1,2,3-cd)pyrene-SVOC

General Statistics

Total Number of Observations	136	Number of Distinct Observations	53
		Number of Missing Observations	174
Number of Detects	71	Number of Non-Detects	65
Number of Distinct Detects	46	Number of Distinct Non-Detects	17
Minimum Detect	0.18	Minimum Non-Detect	0.18
Maximum Detect	9.4	Maximum Non-Detect	1.8
Variance Detects	1.453	Percent Non-Detects	47.79%
Mean Detects	0.837	SD Detects	1.206
Median Detects	0.54	CV Detects	1.44
Skewness Detects	5.865	Kurtosis Detects	38.72
Mean of Logged Detects	-0.488	SD of Logged Detects	0.656

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.406	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.32	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.105	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.542	Standard Error of Mean	0.0797
SD	0.92	95% KM (BCA) UCL	0.686
95% KM (t) UCL	0.674	95% KM (Percentile Bootstrap) UCL	0.686
95% KM (z) UCL	0.673	95% KM Bootstrap t UCL	0.861
90% KM Chebyshev UCL	0.781	95% KM Chebyshev UCL	0.889
97.5% KM Chebyshev UCL	1.04	99% KM Chebyshev UCL	1.335

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	4.241	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.766	Detected Data Not Gamma Distributed at 5% Significance Level

K-S Test Statistic	0.184	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.107	Detected Data Not Gamma Distributed at 5% Significance Level	

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.76	k star (bias corrected MLE)	1.695
Theta hat (MLE)	0.476	Theta star (bias corrected MLE)	0.494
nu hat (MLE)	249.9	nu star (bias corrected)	240.7
MLE Mean (bias corrected)	0.837	MLE Sd (bias corrected)	0.643

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.347	nu hat (KM)	94.27
Approximate Chi Square Value (94.27, α)	72.88	Adjusted Chi Square Value (94.27, β)	72.68
95% Gamma Approximate KM-UCL (use when n>=50)	0.701	95% Gamma Adjusted KM-UCL (use when n<50)	0.703

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.444
Maximum	9.4	Median	0.231
SD	0.962	CV	2.168
k hat (MLE)	0.405	k star (bias corrected MLE)	0.401
Theta hat (MLE)	1.094	Theta star (bias corrected MLE)	1.105
nu hat (MLE)	110.3	nu star (bias corrected)	109.2
MLE Mean (bias corrected)	0.444	MLE Sd (bias corrected)	0.7
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (109.19, α)	86.07	Adjusted Chi Square Value (109.19, β)	85.85
95% Gamma Approximate UCL (use when n>=50)	0.563	95% Gamma Adjusted UCL (use when n<50)	0.564

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.102	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.105	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.519	Mean in Log Scale	-1.147
SD in Original Scale	0.931	SD in Log Scale	0.899
95% t UCL (assumes normality of ROS data)	0.651	95% Percentile Bootstrap UCL	0.662
95% BCA Bootstrap UCL	0.726	95% Bootstrap t UCL	0.817
95% H-UCL (Log ROS)	0.56		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-1.001	95% H-UCL (KM -Log)	0.546
KM SD (logged)	0.737	95% Critical H Value (KM-Log)	1.979
KM Standard Error of Mean (logged)	0.0677		

DL/2 Statistics

DL/2 Normal **DL/2 Log-Transformed**

Mean in Original Scale	0.532	Mean in Log Scale	-1.068
SD in Original Scale	0.928	SD in Log Scale	0.812
95% t UCL (Assumes normality)	0.664	95% H-Stat UCL	0.551

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.674	95% KM (% Bootstrap) UCL	0.686

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1242 (PCB-1242)

General Statistics

Total Number of Observations	303	Number of Distinct Observations	53
		Number of Missing Observations	32
Number of Detects	16	Number of Non-Detects	287
Number of Distinct Detects	13	Number of Distinct Non-Detects	45
Minimum Detect	0.22	Minimum Non-Detect	0.04
Maximum Detect	2.6	Maximum Non-Detect	22
Variance Detects	0.571	Percent Non-Detects	94.72%
Mean Detects	1.196	SD Detects	0.756
Median Detects	1.15	CV Detects	0.632
Skewness Detects	0.419	Kurtosis Detects	-1.098
Mean of Logged Detects	-0.0528	SD of Logged Detects	0.751

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.927	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.887	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.156	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.222	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.104	Standard Error of Mean	0.019
SD	0.314	95% KM (BCA) UCL	0.137
95% KM (t) UCL	0.136	95% KM (Percentile Bootstrap) UCL	0.136
95% KM (z) UCL	0.135	95% KM Bootstrap t UCL	0.144
90% KM Chebyshev UCL	0.161	95% KM Chebyshev UCL	0.187
97.5% KM Chebyshev UCL	0.223	99% KM Chebyshev UCL	0.293

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.35	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.748	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.158	**Kolmogrov-Smirnoff GOF**

5% K-S Critical Value	0.217	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.313	k star (bias corrected MLE)	1.921
Theta hat (MLE)	0.517	Theta star (bias corrected MLE)	0.622
nu hat (MLE)	74.03	nu star (bias corrected)	61.48
MLE Mean (bias corrected)	1.196	MLE Sd (bias corrected)	0.863

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.11	nu hat (KM)	66.7
Approximate Chi Square Value (66.70, α)	48.9	Adjusted Chi Square Value (66.70, β)	48.83
95% Gamma Approximate KM-UCL (use when n>=50)	0.142	95% Gamma Adjusted KM-UCL (use when n<50)	0.142

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0733
Maximum	2.6	Median	0.01
SD	0.315	CV	4.289
k hat (MLE)	0.382	k star (bias corrected MLE)	0.381
Theta hat (MLE)	0.192	Theta star (bias corrected MLE)	0.193
nu hat (MLE)	231.6	nu star (bias corrected)	230.7
MLE Mean (bias corrected)	0.0733	MLE Sd (bias corrected)	0.119
		Adjusted Level of Significance (β)	0.0492
Approximate Chi Square Value (230.67, α)	196.5	Adjusted Chi Square Value (230.67, β)	196.4
95% Gamma Approximate UCL (use when n>=50)	0.0861	95% Gamma Adjusted UCL (use when n<50)	0.0861

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.942	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.887	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.156	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.222	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.1	Mean in Log Scale	-3.913
SD in Original Scale	0.314	SD in Log Scale	1.688
95% t UCL (assumes normality of ROS data)	0.13	95% Percentile Bootstrap UCL	0.131
95% BCA Bootstrap UCL	0.136	95% Bootstrap t UCL	0.136
95% H-UCL (Log ROS)	0.109		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-3.04	95% H-UCL (KM -Log)	0.0688
KM SD (logged)	0.748	95% Critical H Value (KM-Log)	1.933
KM Standard Error of Mean (logged)	0.0458		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.292	Mean in Log Scale	-2.627
SD in Original Scale	1.04	SD in Log Scale	1.297
95% t UCL (Assumes normality)	0.39	95% H-Stat UCL	0.2

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.136	95% KM (Percentile Bootstrap) UCL	0.136

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1248 (PCB-1248)

General Statistics

Total Number of Observations	303	Number of Distinct Observations	101
		Number of Missing Observations	32
Number of Detects	142	Number of Non-Detects	161
Number of Distinct Detects	82	Number of Distinct Non-Detects	35
Minimum Detect	0.11	Minimum Non-Detect	0.04
Maximum Detect	45	Maximum Non-Detect	22
Variance Detects	20.24	Percent Non-Detects	53.14%
Mean Detects	1.526	SD Detects	4.499
Median Detects	0.52	CV Detects	2.947
Skewness Detects	7.993	Kurtosis Detects	70.41
Mean of Logged Detects	-0.433	SD of Logged Detects	1.083

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.288	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.376	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0744	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.754	Standard Error of Mean	0.182
SD	3.157	95% KM (BCA) UCL	1.062
95% KM (t) UCL	1.055	95% KM (Percentile Bootstrap) UCL	1.076
95% KM (z) UCL	1.054	95% KM Bootstrap t UCL	1.548
90% KM Chebyshev UCL	1.301	95% KM Chebyshev UCL	1.548
97.5% KM Chebyshev UCL	1.892	99% KM Chebyshev UCL	2.567

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	9.113	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.8	Detected Data Not Gamma Distributed at 5% Significance Level

K-S Test Statistic	0.187	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.082	Detected Data Not Gamma Distributed at 5% Significance Level	

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.705	k star (bias corrected MLE)	0.695
Theta hat (MLE)	2.164	Theta star (bias corrected MLE)	2.196
nu hat (MLE)	200.3	nu star (bias corrected)	197.4
MLE Mean (bias corrected)	1.526	MLE Sd (bias corrected)	1.831

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.057	nu hat (KM)	34.55
Approximate Chi Square Value (34.55, α)	22.11	Adjusted Chi Square Value (34.55, β)	22.06
95% Gamma Approximate KM-UCL (use when n>=50)	1.178	95% Gamma Adjusted KM-UCL (use when n<50)	1.181

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.721
Maximum	45	Median	0.01
SD	3.166	CV	4.393
k hat (MLE)	0.297	k star (bias corrected MLE)	0.297
Theta hat (MLE)	2.423	Theta star (bias corrected MLE)	2.429
nu hat (MLE)	180.2	nu star (bias corrected)	179.7
MLE Mean (bias corrected)	0.721	MLE Sd (bias corrected)	1.323
		Adjusted Level of Significance (β)	0.0492
Approximate Chi Square Value (179.75, α)	149.7	Adjusted Chi Square Value (179.75, β)	149.6
95% Gamma Approximate UCL (use when n>=50)	0.865	95% Gamma Adjusted UCL (use when n<50)	0.866

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.108	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.0744	Detected Data Not Lognormal at 5% Significance Level	

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.75	Mean in Log Scale	-1.839
SD in Original Scale	3.16	SD in Log Scale	1.657
95% t UCL (assumes normality of ROS data)	1.049	95% Percentile Bootstrap UCL	1.077
95% BCA Bootstrap UCL	1.257	95% Bootstrap t UCL	1.572
95% H-UCL (Log ROS)	0.813		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.877	Mean in Log Scale	-1.684
SD in Original Scale	3.272	SD in Log Scale	1.652
95% t UCL (Assumes normality)	1.187	95% H-Stat UCL	0.941

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.062

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1254 (PCB-1254)

General Statistics

Total Number of Observations	303	Number of Distinct Observations	104
		Number of Missing Observations	32
Number of Detects	144	Number of Non-Detects	159
Number of Distinct Detects	86	Number of Distinct Non-Detects	27
Minimum Detect	0.056	Minimum Non-Detect	0.04
Maximum Detect	63	Maximum Non-Detect	22
Variance Detects	43.48	Percent Non-Detects	52.48%
Mean Detects	1.936	SD Detects	6.594
Median Detects	0.455	CV Detects	3.407
Skewness Detects	7.359	Kurtosis Detects	59.99
Mean of Logged Detects	-0.527	SD of Logged Detects	1.258

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.28	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.388	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0738	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.952	Standard Error of Mean	0.267
SD	4.628	95% KM (BCA) UCL	1.495
95% KM (t) UCL	1.393	95% KM (Percentile Bootstrap) UCL	1.441
95% KM (z) UCL	1.391	95% KM Bootstrap t UCL	2.058
90% KM Chebyshev UCL	1.753	95% KM Chebyshev UCL	2.116
97.5% KM Chebyshev UCL	2.619	99% KM Chebyshev UCL	3.608

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	12.08	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.817	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.209	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0824	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.53	k star (bias corrected MLE)	0.524
Theta hat (MLE)	3.651	Theta star (bias corrected MLE)	3.696
nu hat (MLE)	152.7	nu star (bias corrected)	150.8
MLE Mean (bias corrected)	1.936	MLE Sd (bias corrected)	2.675

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0423	nu hat (KM)	25.66
Approximate Chi Square Value (25.66, α)	15.12	Adjusted Chi Square Value (25.66, β)	15.08
95% Gamma Approximate KM-UCL (use when n>=50)	1.616	95% Gamma Adjusted KM-UCL (use when n<50)	1.62

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.925
Maximum	63	Median	0.01
SD	4.639	CV	5.014
k hat (MLE)	0.271	k star (bias corrected MLE)	0.27
Theta hat (MLE)	3.416	Theta star (bias corrected MLE)	3.422
nu hat (MLE)	164.1	nu star (bias corrected)	163.8
MLE Mean (bias corrected)	0.925	MLE Sd (bias corrected)	1.779
		Adjusted Level of Significance (β)	0.0492
Approximate Chi Square Value (163.81, α)	135.2	Adjusted Chi Square Value (163.81, β)	135.1
95% Gamma Approximate UCL (use when n>=50)	1.121	95% Gamma Adjusted UCL (use when n<50)	1.122

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.105	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0738	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.941	Mean in Log Scale	-2.172
SD in Original Scale	4.636	SD in Log Scale	1.954
95% t UCL (assumes normality of ROS data)	1.38	95% Percentile Bootstrap UCL	1.41
95% BCA Bootstrap UCL	1.576	95% Bootstrap t UCL	2.037
95% H-UCL (Log ROS)	1.081		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.052	Mean in Log Scale	-1.846
SD in Original Scale	4.706	SD in Log Scale	1.733
95% t UCL (Assumes normality)	1.498	95% H-Stat UCL	0.936

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.495

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1260 (PCB-1260)

General Statistics

Total Number of Observations	303	Number of Distinct Observations	97
		Number of Missing Observations	32
Number of Detects	202	Number of Non-Detects	101
Number of Distinct Detects	90	Number of Distinct Non-Detects	17
Minimum Detect	0.047	Minimum Non-Detect	0.04
Maximum Detect	120	Maximum Non-Detect	5.3
Variance Detects	156.4	Percent Non-Detects	33.33%
Mean Detects	2.446	SD Detects	12.51
Median Detects	0.3	CV Detects	5.114
Skewness Detects	8.608	Kurtosis Detects	77.84
Mean of Logged Detects	-0.922	SD of Logged Detects	1.374

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.189	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.424	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0623	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.657	Standard Error of Mean	0.59
SD	10.25	95% KM (BCA) UCL	2.783
95% KM (t) UCL	2.63	95% KM (Percentile Bootstrap) UCL	2.711
95% KM (z) UCL	2.628	95% KM Bootstrap t UCL	4.94
90% KM Chebyshev UCL	3.427	95% KM Chebyshev UCL	4.229
97.5% KM Chebyshev UCL	5.343	99% KM Chebyshev UCL	7.529

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	29.68	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.853	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.302	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0683	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.367	k star (bias corrected MLE)	0.365
Theta hat (MLE)	6.657	Theta star (bias corrected MLE)	6.697
nu hat (MLE)	148.4	nu star (bias corrected)	147.6
MLE Mean (bias corrected)	2.446	MLE Sd (bias corrected)	4.047

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0261	nu hat (KM)	15.84
Approximate Chi Square Value (15.84, α)	7.847	Adjusted Chi Square Value (15.84, β)	7.82
95% Gamma Approximate KM-UCL (use when n>=50)	3.343	95% Gamma Adjusted KM-UCL (use when n<50)	3.355

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.634
Maximum	120	Median	0.16
SD	10.27	CV	6.285
k hat (MLE)	0.266	k star (bias corrected MLE)	0.266
Theta hat (MLE)	6.136	Theta star (bias corrected MLE)	6.146
nu hat (MLE)	161.4	nu star (bias corrected)	161.1
MLE Mean (bias corrected)	1.634	MLE Sd (bias corrected)	3.169
		Adjusted Level of Significance (β)	0.0492
Approximate Chi Square Value (161.10, α)	132.8	Adjusted Chi Square Value (161.10, β)	132.6
95% Gamma Approximate UCL (use when n>=50)	1.983	95% Gamma Adjusted UCL (use when n<50)	1.985

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.162	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0623	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.645	Mean in Log Scale	-1.798
SD in Original Scale	10.27	SD in Log Scale	1.768
95% t UCL (assumes normality of ROS data)	2.618	95% Percentile Bootstrap UCL	2.75
95% BCA Bootstrap UCL	3.283	95% Bootstrap t UCL	4.607
95% H-UCL (Log ROS)	1.055		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.673	Mean in Log Scale	-1.527
SD in Original Scale	10.26	SD in Log Scale	1.483
95% t UCL (Assumes normality)	2.646	95% H-Stat UCL	0.811

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	4.229

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SUM of PCBs

General Statistics

Total Number of Observations	303	Number of Distinct Observations	178
		Number of Missing Observations	32
Number of Detects	244	Number of Non-Detects	59
Number of Distinct Detects	175	Number of Distinct Non-Detects	5
Minimum Detect	0.071	Minimum Non-Detect	0.04
Maximum Detect	121	Maximum Non-Detect	0.12
Variance Detects	202.3	Percent Non-Detects	19.47%
Mean Detects	4.134	SD Detects	14.22
Median Detects	1.05	CV Detects	3.441
Skewness Detects	7.088	Kurtosis Detects	54.15
Mean of Logged Detects	0.143	SD of Logged Detects	1.339

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.27	Normal GOF Test on Detected Observations Only
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.388	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0567	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	3.339	Standard Error of Mean	0.739
SD	12.84	95% KM (BCA) UCL	4.626
95% KM (t) UCL	4.558	95% KM (Percentile Bootstrap) UCL	4.642
95% KM (z) UCL	4.555	95% KM Bootstrap t UCL	5.339
90% KM Chebyshev UCL	5.556	95% KM Chebyshev UCL	6.561
97.5% KM Chebyshev UCL	7.955	99% KM Chebyshev UCL	10.69

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	19.61	Anderson-Darling GOF Test
5% A-D Critical Value	0.822	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.217	Kolmogrov-Smirnoff GOF
5% K-S Critical Value	0.062	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.498	k star (bias corrected MLE)	0.495
Theta hat (MLE)	8.301	Theta star (bias corrected MLE)	8.358
nu hat (MLE)	243	nu star (bias corrected)	241.4
MLE Mean (bias corrected)	4.134	MLE Sd (bias corrected)	5.878

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0676	nu hat (KM)	40.98
Approximate Chi Square Value (40.98, α)	27.31	Adjusted Chi Square Value (40.98, β)	27.25
95% Gamma Approximate KM-UCL (use when n>=50)	5.01	95% Gamma Adjusted KM-UCL (use when n<50)	5.02

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	3.331
Maximum	121	Median	0.69
SD	12.86	CV	3.862
k hat (MLE)	0.34	k star (bias corrected MLE)	0.339
Theta hat (MLE)	9.787	Theta star (bias corrected MLE)	9.821
nu hat (MLE)	206.2	nu star (bias corrected)	205.5
MLE Mean (bias corrected)	3.331	MLE Sd (bias corrected)	5.719
		Adjusted Level of Significance (β)	0.0492
Approximate Chi Square Value (205.53, α)	173.4	Adjusted Chi Square Value (205.53, β)	173.2
95% Gamma Approximate UCL (use when n>=50)	3.949	95% Gamma Adjusted UCL (use when n<50)	3.952

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.0905	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0567	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	3.342	Mean in Log Scale	-0.443
SD in Original Scale	12.86	SD in Log Scale	1.72
95% t UCL (assumes normality of ROS data)	4.561	95% Percentile Bootstrap UCL	4.678
95% BCA Bootstrap UCL	5.028	95% Bootstrap t UCL	5.26
95% H-UCL (Log ROS)	3.713		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	3.339	Mean in Log Scale	-0.462
SD in Original Scale	12.86	SD in Log Scale	1.723
95% t UCL (Assumes normality)	4.558	95% H-Stat UCL	3.663

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	6.561

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Arsenic

General Statistics

Total Number of Observations	136	Number of Distinct Observations	46
		Number of Missing Observations	174
Number of Detects	59	Number of Non-Detects	77
Number of Distinct Detects	39	Number of Distinct Non-Detects	10
Minimum Detect	2.9	Minimum Non-Detect	2.5
Maximum Detect	59	Maximum Non-Detect	3.6
Variance Detects	80.29	Percent Non-Detects	56.62%
Mean Detects	7.898	SD Detects	8.961
Median Detects	5	CV Detects	1.135
Skewness Detects	4.166	Kurtosis Detects	20.12
Mean of Logged Detects	1.8	SD of Logged Detects	0.621

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.518	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.3	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.115	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	4.9	Standard Error of Mean	0.556
SD	6.415	95% KM (BCA) UCL	5.996
95% KM (t) UCL	5.821	95% KM (Percentile Bootstrap) UCL	5.888
95% KM (z) UCL	5.815	95% KM Bootstrap t UCL	6.459
90% KM Chebyshev UCL	6.569	95% KM Chebyshev UCL	7.325
97.5% KM Chebyshev UCL	8.374	99% KM Chebyshev UCL	10.43

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	4.663	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.763	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.203	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.117	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.024	k star (bias corrected MLE)	1.932
Theta hat (MLE)	3.902	Theta star (bias corrected MLE)	4.087
nu hat (MLE)	238.8	nu star (bias corrected)	228
MLE Mean (bias corrected)	7.898	MLE Sd (bias corrected)	5.682

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.583	nu hat (KM)	158.7
Approximate Chi Square Value (158.67, α)	130.6	Adjusted Chi Square Value (158.67, β)	130.3
95% Gamma Approximate KM-UCL (use when n>=50)	5.955	95% Gamma Adjusted KM-UCL (use when n<50)	5.968

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	3.432
Maximum	59	Median	0.01
SD	7.064	CV	2.058
k hat (MLE)	0.235	k star (bias corrected MLE)	0.234
Theta hat (MLE)	14.63	Theta star (bias corrected MLE)	14.65
nu hat (MLE)	63.79	nu star (bias corrected)	63.72
MLE Mean (bias corrected)	3.432	MLE Sd (bias corrected)	7.091
		Adjusted Level of Significance (β)	0.0482
Approximate Chi Square Value (63.72, α)	46.36	Adjusted Chi Square Value (63.72, β)	46.2
95% Gamma Approximate UCL (use when n>=50)	4.718	95% Gamma Adjusted UCL (use when n<50)	4.734

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.167	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.115	Detected Data Not Lognormal at 5% Significance Level	

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	4.157	Mean in Log Scale	0.844
SD in Original Scale	6.748	SD in Log Scale	1.026
95% t UCL (assumes normality of ROS data)	5.115	95% Percentile Bootstrap UCL	5.128
95% BCA Bootstrap UCL	5.603	95% Bootstrap t UCL	5.807
95% H-UCL (Log ROS)	4.79		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	4.36	Mean in Log Scale	1.063
SD in Original Scale	6.646	SD in Log Scale	0.767
95% t UCL (Assumes normality)	5.304	95% H-Stat UCL	4.432

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	5.821	95% KM (% Bootstrap) UCL	5.888

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Lead

General Statistics

Total Number of Observations	136	Number of Distinct Observations	81
		Number of Missing Observations	174
Minimum	5.5	Mean	208.4
Maximum	6900	Median	85
SD	674.4	Std. Error of Mean	57.83

Coefficient of Variation	3.236	Skewness	8.208

Normal GOF Test

Shapiro Wilk Test Statistic	0.257	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.39	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.076	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	304.2	95% Adjusted-CLT UCL (Chen-1995)	347
		95% Modified-t UCL (Johnson-1978)	311

Gamma GOF Test

A-D Test Statistic	14.12	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.798	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.258	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.0835	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.725	k star (bias corrected MLE)	0.713
Theta hat (MLE)	287.7	Theta star (bias corrected MLE)	292.1
nu hat (MLE)	197.1	nu star (bias corrected)	194.1
MLE Mean (bias corrected)	208.4	MLE Sd (bias corrected)	246.8
		Approximate Chi Square Value (0.05)	162.8
Adjusted Level of Significance	0.0482	Adjusted Chi Square Value	162.5

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	248.4	95% Adjusted Gamma UCL (use when n<50)	248.9

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.925	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	1.8449E-8	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.13	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.076	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.705	Mean of logged Data	4.509
Maximum of Logged Data	8.839	SD of logged Data	0.987

Assuming Lognormal Distribution

95% H-UCL	178.1	90% Chebyshev (MVUE) UCL	192
95% Chebyshev (MVUE) UCL	212.4	97.5% Chebyshev (MVUE) UCL	240.6
99% Chebyshev (MVUE) UCL	296		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	303.6	95% Jackknife UCL	304.2
95% Standard Bootstrap UCL	303.3	95% Bootstrap-t UCL	489
95% Hall's Bootstrap UCL	647	95% Percentile Bootstrap UCL	317.6
95% BCA Bootstrap UCL	360.7		
90% Chebyshev(Mean, Sd) UCL	381.9	95% Chebyshev(Mean, Sd) UCL	460.5
97.5% Chebyshev(Mean, Sd) UCL	569.6	99% Chebyshev(Mean, Sd) UCL	783.8

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	460.5

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Thallium

General Statistics

Total Number of Observations	111	Number of Distinct Observations	14
		Number of Missing Observations	199
Number of Detects	1	Number of Non-Detects	110
Number of Distinct Detects	1	Number of Distinct Non-Detects	13

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Thallium was not processed!

Total Petroleum Hydrocarbons (C9-C36)

General Statistics

Total Number of Observations	25	Number of Distinct Observations	23
		Number of Missing Observations	282
Minimum	100	Mean	1099
Maximum	6900	Median	600
SD	1657	Std. Error of Mean	331.3
Coefficient of Variation	1.507	Skewness	2.91

Normal GOF Test

Shapiro Wilk Test Statistic	0.562	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.3	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	1666	95% Adjusted-CLT UCL (Chen-1995)	1850
		95% Modified-t UCL (Johnson-1978)	1698

Gamma GOF Test

A-D Test Statistic	1.176	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.776	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.163	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.18	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.926	k star (bias corrected MLE)	0.842
Theta hat (MLE)	1186	Theta star (bias corrected MLE)	1306
nu hat (MLE)	46.32	nu star (bias corrected)	42.1
MLE Mean (bias corrected)	1099	MLE Sd (bias corrected)	1198
		Approximate Chi Square Value (0.05)	28.22
Adjusted Level of Significance	0.0395	Adjusted Chi Square Value	27.45

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	1640	95% Adjusted Gamma UCL (use when n<50)	1686

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.959	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.918	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.102	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.177	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	4.605	Mean of logged Data	6.374
Maximum of Logged Data	8.839	SD of logged Data	1.069

Assuming Lognormal Distribution

95% H-UCL	1824	90% Chebyshev (MVUE) UCL	1744
95% Chebyshev (MVUE) UCL	2079	97.5% Chebyshev (MVUE) UCL	2545
99% Chebyshev (MVUE) UCL	3459		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	1644	95% Jackknife UCL	1666
95% Standard Bootstrap UCL	1665	95% Bootstrap-t UCL	2844
95% Hall's Bootstrap UCL	4439	95% Percentile Bootstrap UCL	1676
95% BCA Bootstrap UCL	1909		
90% Chebyshev(Mean, Sd) UCL	2093	95% Chebyshev(Mean, Sd) UCL	2544
97.5% Chebyshev(Mean, Sd) UCL	3168	99% Chebyshev(Mean, Sd) UCL	4396

Suggested UCL to Use

95% Adjusted Gamma UCL 1686

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

C5-C8 ALIPHATICS, ADJ.

General Statistics

Total Number of Observations	111	Number of Distinct Observations	17
		Number of Missing Observations	199
Number of Detects	11	Number of Non-Detects	100
Number of Distinct Detects	9	Number of Distinct Non-Detects	12
Minimum Detect	1	Minimum Non-Detect	1
Maximum Detect	5.7	Maximum Non-Detect	2.2
Variance Detects	2.093	Percent Non-Detects	90.09%
Mean Detects	2.345	SD Detects	1.447
Median Detects	1.5	CV Detects	0.617
Skewness Detects	1.364	Kurtosis Detects	1.693
Mean of Logged Detects	0.7	SD of Logged Detects	0.564

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.838	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.85	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.266	Lilliefors GOF Test
5% Lilliefors Critical Value	0.267	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.138	Standard Error of Mean	0.0591
SD	0.592	95% KM (BCA) UCL	1.237
95% KM (t) UCL	1.236	95% KM (Percentile Bootstrap) UCL	1.238
95% KM (z) UCL	1.235	95% KM Bootstrap t UCL	1.306
90% KM Chebyshev UCL	1.315	95% KM Chebyshev UCL	1.395
97.5% KM Chebyshev UCL	1.507	99% KM Chebyshev UCL	1.726

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.569	Anderson-Darling GOF Test
5% A-D Critical Value	0.733	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.266	Kolmogrov-Smirnoff GOF
5% K-S Critical Value	0.257	Detected Data Not Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	3.446	k star (bias corrected MLE)	2.567
Theta hat (MLE)	0.681	Theta star (bias corrected MLE)	0.914
nu hat (MLE)	75.81	nu star (bias corrected)	56.46
MLE Mean (bias corrected)	2.345	MLE Sd (bias corrected)	1.464

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	3.697	nu hat (KM)	820.6
Approximate Chi Square Value (820.64, α)	755.2	Adjusted Chi Square Value (820.64, β)	754.3
95% Gamma Approximate KM-UCL (use when n>=50)	1.237	95% Gamma Adjusted KM-UCL (use when n<50)	1.238

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.254
Maximum	5.7	Median	0.01
SD	0.825	CV	3.245
k hat (MLE)	0.273	k star (bias corrected MLE)	0.272
Theta hat (MLE)	0.931	Theta star (bias corrected MLE)	0.935
nu hat (MLE)	60.66	nu star (bias corrected)	60.36
MLE Mean (bias corrected)	0.254	MLE Sd (bias corrected)	0.488
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (60.36, α)	43.49	Adjusted Chi Square Value (60.36, β)	43.3
95% Gamma Approximate UCL (use when n>=50)	0.353	95% Gamma Adjusted UCL (use when n<50)	0.354

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.914	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.85	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.245	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.267	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.457	Mean in Log Scale	-1.541
SD in Original Scale	0.793	SD in Log Scale	1.185
95% t UCL (assumes normality of ROS data)	0.582	95% Percentile Bootstrap UCL	0.589
95% BCA Bootstrap UCL	0.621	95% Bootstrap t UCL	0.634
95% H-UCL (Log ROS)	0.567		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.0734	95% H-UCL (KM -Log)	1.167
KM SD (logged)	0.27	95% Critical H Value (KM-Log)	1.724
KM Standard Error of Mean (logged)	0.0271		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.807	Mean in Log Scale	-0.348
SD in Original Scale	0.682	SD in Log Scale	0.419
95% t UCL (Assumes normality)	0.915	95% H-Stat UCL	0.828

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.236	95% KM (Percentile Bootstrap) UCL	1.238

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C10 AROMATICS

General Statistics

Total Number of Observations	111	Number of Distinct Observations	23
		Number of Missing Observations	199
Number of Detects	25	Number of Non-Detects	86
Number of Distinct Detects	19	Number of Distinct Non-Detects	11
Minimum Detect	1.1	Minimum Non-Detect	1
Maximum Detect	7.8	Maximum Non-Detect	2
Variance Detects	3.988	Percent Non-Detects	77.48%
Mean Detects	3.044	SD Detects	1.997
Median Detects	2	CV Detects	0.656
Skewness Detects	1.104	Kurtosis Detects	0.0466
Mean of Logged Detects	0.929	SD of Logged Detects	0.604

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.829	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.224	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.467	Standard Error of Mean	0.122
SD	1.26	95% KM (BCA) UCL	1.708
95% KM (t) UCL	1.67	95% KM (Percentile Bootstrap) UCL	1.687
95% KM (z) UCL	1.668	95% KM Bootstrap t UCL	1.737
90% KM Chebyshev UCL	1.834	95% KM Chebyshev UCL	2
97.5% KM Chebyshev UCL	2.23	99% KM Chebyshev UCL	2.683

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.167	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.752	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.197	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.176	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.866	k star (bias corrected MLE)	2.548
Theta hat (MLE)	1.062	Theta star (bias corrected MLE)	1.194
nu hat (MLE)	143.3	nu star (bias corrected)	127.4
MLE Mean (bias corrected)	3.044	MLE Sd (bias corrected)	1.907

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.356	nu hat (KM)	301.1
Approximate Chi Square Value (301.10, α)	261.9	Adjusted Chi Square Value (301.10, β)	261.4
95% Gamma Approximate KM-UCL (use when n>=50)	1.687	95% Gamma Adjusted KM-UCL (use when n<50)	1.69

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.702
Maximum	7.8	Median	0.01
SD	1.575	CV	2.242
k hat (MLE)	0.247	k star (bias corrected MLE)	0.246
Theta hat (MLE)	2.843	Theta star (bias corrected MLE)	2.851
nu hat (MLE)	54.85	nu star (bias corrected)	54.7
MLE Mean (bias corrected)	0.702	MLE Sd (bias corrected)	1.415
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (54.70, α)	38.7	Adjusted Chi Square Value (54.70, β)	38.53
95% Gamma Approximate UCL (use when n>=50)	0.993	95% Gamma Adjusted UCL (use when n<50)	0.997

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.907	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.185	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.978	Mean in Log Scale	-0.765
SD in Original Scale	1.475	SD in Log Scale	1.197
95% t UCL (assumes normality of ROS data)	1.21	95% Percentile Bootstrap UCL	1.234
95% BCA Bootstrap UCL	1.261	95% Bootstrap t UCL	1.263
95% H-UCL (Log ROS)	1.254		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.177	Mean in Log Scale	-0.153
SD in Original Scale	1.379	SD in Log Scale	0.665
95% t UCL (Assumes normality)	1.395	95% H-Stat UCL	1.211

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.67	95% KM (% Bootstrap) UCL	1.687

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C12 ALIPHATICS, ADJ.

General Statistics

Total Number of Observations	111	Number of Distinct Observations	23
		Number of Missing Observations	199
Number of Detects	15	Number of Non-Detects	96
Number of Distinct Detects	15	Number of Distinct Non-Detects	12
Minimum Detect	1.1	Minimum Non-Detect	1
Maximum Detect	6.9	Maximum Non-Detect	2.5
Variance Detects	2.654	Percent Non-Detects	86.49%
Mean Detects	3.36	SD Detects	1.629
Median Detects	3.1	CV Detects	0.485
Skewness Detects	0.664	Kurtosis Detects	-0.0499
Mean of Logged Detects	1.096	SD of Logged Detects	0.513

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.956	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.881	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.115	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.229	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.322	Standard Error of Mean	0.0976
SD	0.992	95% KM (BCA) UCL	1.474
95% KM (t) UCL	1.483	95% KM (Percentile Bootstrap) UCL	1.49
95% KM (z) UCL	1.482	95% KM Bootstrap t UCL	1.528
90% KM Chebyshev UCL	1.614	95% KM Chebyshev UCL	1.747
97.5% KM Chebyshev UCL	1.931	99% KM Chebyshev UCL	2.292

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.146	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.739	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.123	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.222	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	4.463	k star (bias corrected MLE)	3.615
Theta hat (MLE)	0.753	Theta star (bias corrected MLE)	0.929
nu hat (MLE)	133.9	nu star (bias corrected)	108.5
MLE Mean (bias corrected)	3.36	MLE Sd (bias corrected)	1.767

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.774	nu hat (KM)	393.8
Approximate Chi Square Value (393.77, α)	348.8	Adjusted Chi Square Value (393.77, β)	348.2

95% Gamma Approximate KM-UCL (use when n>=50)	1.492	95% Gamma Adjusted KM-UCL (use when n<50)	1.494

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.497
Maximum	6.9	Median	0.01
SD	1.285	CV	2.585
k hat (MLE)	0.25	k star (bias corrected MLE)	0.249
Theta hat (MLE)	1.99	Theta star (bias corrected MLE)	1.996
nu hat (MLE)	55.44	nu star (bias corrected)	55.28
MLE Mean (bias corrected)	0.497	MLE Sd (bias corrected)	0.996
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (55.28, α)	39.19	Adjusted Chi Square Value (55.28, β)	39.01
95% Gamma Approximate UCL (use when n>=50)	0.701	95% Gamma Adjusted UCL (use when n<50)	0.704

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.981	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.881	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.13	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.229	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.809	Mean in Log Scale	-0.911
SD in Original Scale	1.205	SD in Log Scale	1.154
95% t UCL (assumes normality of ROS data)	0.999	95% Percentile Bootstrap UCL	1.006
95% BCA Bootstrap UCL	1.043	95% Bootstrap t UCL	1.044
95% H-UCL (Log ROS)	1.014		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.15	95% H-UCL (KM -Log)	1.361
KM SD (logged)	0.416	95% Critical H Value (KM-Log)	1.789
KM Standard Error of Mean (logged)	0.041		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.007	Mean in Log Scale	-0.252
SD in Original Scale	1.106	SD in Log Scale	0.587
95% t UCL (Assumes normality)	1.181	95% H-Stat UCL	1.026

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.483	95% KM (Percentile Bootstrap) UCL	1.49

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C11-C22 AROMATICS, ADJ.

General Statistics

Total Number of Observations	110	Number of Distinct Observations	52
		Number of Missing Observations	200
Number of Detects	109	Number of Non-Detects	1
Number of Distinct Detects	51	Number of Distinct Non-Detects	1
Minimum Detect	40	Minimum Non-Detect	32
Maximum Detect	870	Maximum Non-Detect	32
Variance Detects	12387	Percent Non-Detects	0.909%
Mean Detects	138.9	SD Detects	111.3
Median Detects	110	CV Detects	0.802
Skewness Detects	3.756	Kurtosis Detects	18.85
Mean of Logged Detects	4.761	SD of Logged Detects	0.53

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.637	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.24	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0849	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	137.9	Standard Error of Mean	10.61
SD	110.7	95% KM (BCA) UCL	157.6
95% KM (t) UCL	155.5	95% KM (Percentile Bootstrap) UCL	156.1
95% KM (z) UCL	155.3	95% KM Bootstrap t UCL	160.4
90% KM Chebyshev UCL	169.7	95% KM Chebyshev UCL	184.1
97.5% KM Chebyshev UCL	204.1	99% KM Chebyshev UCL	243.4

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.096	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.759	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.183	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.0877	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	3.062	k star (bias corrected MLE)	2.984
Theta hat (MLE)	45.34	Theta star (bias corrected MLE)	46.53
nu hat (MLE)	667.6	nu star (bias corrected)	650.5
MLE Mean (bias corrected)	138.9	MLE Sd (bias corrected)	80.38

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.55	nu hat (KM)	341

Approximate Chi Square Value (341.03, α)	299.2	Adjusted Chi Square Value (341.03, β)	298.7
95% Gamma Approximate KM-UCL (use when n>=50)	157.1	95% Gamma Adjusted KM-UCL (use when n<50)	157.4

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	137.6
Maximum	870	Median	105
SD	111.6	CV	0.811
k hat (MLE)	2.167	k star (bias corrected MLE)	2.114
Theta hat (MLE)	63.48	Theta star (bias corrected MLE)	65.08
nu hat (MLE)	476.8	nu star (bias corrected)	465.1
MLE Mean (bias corrected)	137.6	MLE Sd (bias corrected)	94.63
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (465.14, α)	416.1	Adjusted Chi Square Value (465.14, β)	415.5
95% Gamma Approximate UCL (use when n>=50)	153.8	95% Gamma Adjusted UCL (use when n<50)	154

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.142	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0849	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	137.8	Mean in Log Scale	4.748
SD in Original Scale	111.3	SD in Log Scale	0.544
95% t UCL (assumes normality of ROS data)	155.5	95% Percentile Bootstrap UCL	155.2
95% BCA Bootstrap UCL	160.2	95% Bootstrap t UCL	162
95% H-UCL (Log ROS)	147.5		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	137.7	Mean in Log Scale	4.743
SD in Original Scale	111.4	SD in Log Scale	0.56
95% t UCL (Assumes normality)	155.4	95% H-Stat UCL	148.5

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	157.6

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C19-C36 ALIPHATICS

General Statistics

Total Number of Observations	110	Number of Distinct Observations	56
		Number of Missing Observations	200
Minimum	35	Mean	159.4
Maximum	950	Median	120
SD	157.6	Std. Error of Mean	15.03
Coefficient of Variation	0.989	Skewness	3.452

Normal GOF Test

Shapiro Wilk Test Statistic	0.588	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.282	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0845	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	184.3	95% Adjusted-CLT UCL (Chen-1995)	189.4
		95% Modified-t UCL (Johnson-1978)	185.2

Gamma GOF Test

A-D Test Statistic	5.571	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.764	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.183	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.0879	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.178	k star (bias corrected MLE)	2.125
Theta hat (MLE)	73.17	Theta star (bias corrected MLE)	75.01
nu hat (MLE)	479.3	nu star (bias corrected)	467.5
MLE Mean (bias corrected)	159.4	MLE Sd (bias corrected)	109.4
		Approximate Chi Square Value (0.05)	418.4
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	417.8

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	178.1	95% Adjusted Gamma UCL (use when n<50)	178.4

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.92	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	2.4296E-7	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.12	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0845	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	3.555	Mean of logged Data	4.825
Maximum of Logged Data	6.856	SD of logged Data	0.626

Assuming Lognormal Distribution

95% H-UCL	169.9	90% Chebyshev (MVUE) UCL	180.5
95% Chebyshev (MVUE) UCL	193.8	97.5% Chebyshev (MVUE) UCL	212.3
99% Chebyshev (MVUE) UCL	248.5		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	184.1	95% Jackknife UCL	184.3
95% Standard Bootstrap UCL	183.9	95% Bootstrap-t UCL	193.3
95% Hall's Bootstrap UCL	190.5	95% Percentile Bootstrap UCL	184.7
95% BCA Bootstrap UCL	188		
90% Chebyshev(Mean, Sd) UCL	204.5	95% Chebyshev(Mean, Sd) UCL	224.9
97.5% Chebyshev(Mean, Sd) UCL	253.3	99% Chebyshev(Mean, Sd) UCL	308.9

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	224.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

C9-C18 ALIPHATICS

General Statistics

Total Number of Observations	110	Number of Distinct Observations	20
		Number of Missing Observations	200
Number of Detects	13	Number of Non-Detects	97
Number of Distinct Detects	13	Number of Distinct Non-Detects	10
Minimum Detect	32	Minimum Non-Detect	21
Maximum Detect	760	Maximum Non-Detect	35
Variance Detects	70037	Percent Non-Detects	88.18%
Mean Detects	265.9	SD Detects	264.6
Median Detects	160	CV Detects	0.995
Skewness Detects	0.826	Kurtosis Detects	-0.808
Mean of Logged Detects	4.969	SD of Logged Detects	1.243

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.836	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.866	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.22	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.246	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	50.07	Standard Error of Mean	11.7
SD	117.8	95% KM (BCA) UCL	71.04

95% KM (t) UCL	69.47	95% KM (Percentile Bootstrap) UCL	69.19
95% KM (z) UCL	69.31	95% KM Bootstrap t UCL	78.38
90% KM Chebyshev UCL	85.16	95% KM Chebyshev UCL	101
97.5% KM Chebyshev UCL	123.1	99% KM Chebyshev UCL	166.4

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.62	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.76	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.189	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.244	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.946	k star (bias corrected MLE)	0.779
Theta hat (MLE)	281.2	Theta star (bias corrected MLE)	341.4
nu hat (MLE)	24.59	nu star (bias corrected)	20.25
MLE Mean (bias corrected)	265.9	MLE Sd (bias corrected)	301.3

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.181	nu hat (KM)	39.72
Approximate Chi Square Value (39.72, α)	26.28	Adjusted Chi Square Value (39.72, β)	26.14
95% Gamma Approximate KM-UCL (use when n>=50)	75.67	95% Gamma Adjusted KM-UCL (use when n<50)	76.09

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	31.44
Maximum	760	Median	0.01
SD	123.1	CV	3.915
k hat (MLE)	0.115	k star (bias corrected MLE)	0.118
Theta hat (MLE)	272.9	Theta star (bias corrected MLE)	266.1
nu hat (MLE)	25.34	nu star (bias corrected)	25.99
MLE Mean (bias corrected)	31.44	MLE Sd (bias corrected)	91.47
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (25.99, α)	15.37	Adjusted Chi Square Value (25.99, β)	15.26
95% Gamma Approximate UCL (use when n>=50)	53.15	95% Gamma Adjusted UCL (use when n<50)	53.53

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.878	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.866	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.165	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.246	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	33.41	Mean in Log Scale	-0.27
SD in Original Scale	122.6	SD in Log Scale	2.905
95% t UCL (assumes normality of ROS data)	52.8	95% Percentile Bootstrap UCL	53.52

95% BCA Bootstrap UCL	59.48	95% Bootstrap t UCL	63.98
95% H-UCL (Log ROS)	180.6		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	3.277	95% H-UCL (KM -Log)	40.3
KM SD (logged)	0.744	95% Critical H Value (KM-Log)	1.999
KM Standard Error of Mean (logged)	0.0741		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	45.3	Mean in Log Scale	3.011
SD in Original Scale	119.6	SD in Log Scale	0.838
95% t UCL (Assumes normality)	64.21	95% H-Stat UCL	34.07

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	69.47	95% KM (Percentile Bootstrap) UCL	69.19

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	5/19/2016 2:23:34 PM
From File	2016-0519-ProUCL-AB-0-15ft-Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Cymene (p-Isopropyltoluene)-VOC

General Statistics

Total Number of Observations	42	Number of Distinct Observations	16
		Number of Missing Observations	171
Number of Detects	2	Number of Non-Detects	40
Number of Distinct Detects	2	Number of Distinct Non-Detects	15
Minimum Detect	0.0034	Minimum Non-Detect	0.0012
Maximum Detect	0.005	Maximum Non-Detect	0.34
Variance Detects	1.2800E-6	Percent Non-Detects	95.24%
Mean Detects	0.0042	SD Detects	0.00113
Median Detects	0.0042	CV Detects	0.269
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	-5.491	SD of Logged Detects	0.273

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.00146	Standard Error of Mean	2.4888E-4
SD	8.4046E-4	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.00188	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.00187	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.00221	95% KM Chebyshev UCL	0.00254
97.5% KM Chebyshev UCL	0.00301	99% KM Chebyshev UCL	0.00394

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	27.23	k star (bias corrected MLE)	N/A
Theta hat (MLE)	1.5427E-4	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	108.9	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	3.016	nu hat (KM)	253.3

		Adjusted Level of Significance (β)	0.0443
Approximate Chi Square Value (253.34, α)	217.5	Adjusted Chi Square Value (253.34, β)	216.3
95% Gamma Approximate KM-UCL (use when n>=50)	0.0017	95% Gamma Adjusted KM-UCL (use when n<50)	0.00171

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.00146	Mean in Log Scale	-6.646
SD in Original Scale	8.2318E-4	SD in Log Scale	0.461
95% t UCL (assumes normality of ROS data)	0.00167	95% Percentile Bootstrap UCL	0.00167
95% BCA Bootstrap UCL	0.00171	95% Bootstrap t UCL	0.00173
95% H-UCL (Log ROS)	0.00165		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.01	Mean in Log Scale	-6.109
SD in Original Scale	0.0357	SD in Log Scale	1.173
95% t UCL (Assumes normality)	0.0193	95% H-Stat UCL	0.00705

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.00188	95% KM (% Bootstrap) UCL	N/A

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)anthracene-SVOC

General Statistics

Total Number of Observations	42	Number of Distinct Observations	34
		Number of Missing Observations	171
Number of Detects	37	Number of Non-Detects	5
Number of Distinct Detects	30	Number of Distinct Non-Detects	5
Minimum Detect	0.31	Minimum Non-Detect	0.19
Maximum Detect	33	Maximum Non-Detect	0.75
Variance Detects	44.64	Percent Non-Detects	11.9%
Mean Detects	3.613	SD Detects	6.681
Median Detects	1.8	CV Detects	1.849
Skewness Detects	3.567	Kurtosis Detects	12.76
Mean of Logged Detects	0.584	SD of Logged Detects	1.03

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.462	**Shapiro Wilk GOF Test**

5% Shapiro Wilk Critical Value	0.936	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.381	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.146	Detected Data Not Normal at 5% Significance Level	

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	3.215	Standard Error of Mean	0.982
SD	6.279	95% KM (BCA) UCL	5.04
95% KM (t) UCL	4.868	95% KM (Percentile Bootstrap) UCL	5.037
95% KM (z) UCL	4.831	95% KM Bootstrap t UCL	7.437
90% KM Chebyshev UCL	6.162	95% KM Chebyshev UCL	7.497
97.5% KM Chebyshev UCL	9.35	99% KM Chebyshev UCL	12.99

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.891	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.784	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.232	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.15	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.842	k star (bias corrected MLE)	0.791
Theta hat (MLE)	4.292	Theta star (bias corrected MLE)	4.565
nu hat (MLE)	62.28	nu star (bias corrected)	58.57
MLE Mean (bias corrected)	3.613	MLE Sd (bias corrected)	4.061

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.262	nu hat (KM)	22.02
Approximate Chi Square Value (22.02, α)	12.35	Adjusted Chi Square Value (22.02, β)	12.1
95% Gamma Approximate KM-UCL (use when n>=50)	5.731	95% Gamma Adjusted KM-UCL (use when n<50)	5.853

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	3.184
Maximum	33	Median	1.45
SD	6.371	CV	2.001
k hat (MLE)	0.528	k star (bias corrected MLE)	0.507
Theta hat (MLE)	6.025	Theta star (bias corrected MLE)	6.285
nu hat (MLE)	44.39	nu star (bias corrected)	42.55
MLE Mean (bias corrected)	3.184	MLE Sd (bias corrected)	4.473
		Adjusted Level of Significance (β)	0.0443
Approximate Chi Square Value (42.55, α)	28.59	Adjusted Chi Square Value (42.55, β)	28.19
95% Gamma Approximate UCL (use when n>=50)	4.738	95% Gamma Adjusted UCL (use when n<50)	4.806

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.923	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.936	Detected Data Not Lognormal at 5% Significance Level

Lilliefors Test Statistic	0.125	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.146	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	3.21	Mean in Log Scale	0.334
SD in Original Scale	6.358	SD in Log Scale	1.189
95% t UCL (assumes normality of ROS data)	4.861	95% Percentile Bootstrap UCL	4.985
95% BCA Bootstrap UCL	5.617	95% Bootstrap t UCL	7.371
95% H-UCL (Log ROS)	4.571		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.351	95% H-UCL (KM -Log)	4.343
KM SD (logged)	1.151	95% Critical H Value (KM-Log)	2.529
KM Standard Error of Mean (logged)	0.181		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	3.208	Mean in Log Scale	0.322
SD in Original Scale	6.359	SD in Log Scale	1.215
95% t UCL (Assumes normality)	4.86	95% H-Stat UCL	4.729

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	7.497

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)pyrene-SVOC

General Statistics

Total Number of Observations	42	Number of Distinct Observations	30
		Number of Missing Observations	171
Number of Detects	34	Number of Non-Detects	8
Number of Distinct Detects	23	Number of Distinct Non-Detects	7
Minimum Detect	0.29	Minimum Non-Detect	0.19
Maximum Detect	18	Maximum Non-Detect	0.75
Variance Detects	11.23	Percent Non-Detects	19.05%
Mean Detects	2.488	SD Detects	3.351
Median Detects	1.65	CV Detects	1.347
Skewness Detects	3.675	Kurtosis Detects	14.98
Mean of Logged Detects	0.476	SD of Logged Detects	0.867

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.551	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.933	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.287	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.152	Detected Data Not Normal at 5% Significance Level	

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	2.061	Standard Error of Mean	0.485
SD	3.098	95% KM (BCA) UCL	3.048
95% KM (t) UCL	2.878	95% KM (Percentile Bootstrap) UCL	2.904
95% KM (z) UCL	2.859	95% KM Bootstrap t UCL	4.231
90% KM Chebyshev UCL	3.517	95% KM Chebyshev UCL	4.176
97.5% KM Chebyshev UCL	5.092	99% KM Chebyshev UCL	6.889

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.296	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.77	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.158	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.154	Detected Data Not Gamma Distributed at 5% Significance Level	

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.289	k star (bias corrected MLE)	1.195
Theta hat (MLE)	1.93	Theta star (bias corrected MLE)	2.082
nu hat (MLE)	87.65	nu star (bias corrected)	81.25
MLE Mean (bias corrected)	2.488	MLE Sd (bias corrected)	2.276

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.443	nu hat (KM)	37.18
Approximate Chi Square Value (37.18, α)	24.22	Adjusted Chi Square Value (37.18, β)	23.85
95% Gamma Approximate KM-UCL (use when n>=50)	3.164	95% Gamma Adjusted KM-UCL (use when n<50)	3.213

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.016
Maximum	18	Median	1.2
SD	3.163	CV	1.569
k hat (MLE)	0.528	k star (bias corrected MLE)	0.506
Theta hat (MLE)	3.818	Theta star (bias corrected MLE)	3.983
nu hat (MLE)	44.35	nu star (bias corrected)	42.51
MLE Mean (bias corrected)	2.016	MLE Sd (bias corrected)	2.834
		Adjusted Level of Significance (β)	0.0443
Approximate Chi Square Value (42.51, α)	28.57	Adjusted Chi Square Value (42.51, β)	28.16
95% Gamma Approximate UCL (use when n>=50)	3	95% Gamma Adjusted UCL (use when n<50)	3.044

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.969	**Shapiro Wilk GOF Test**

5% Shapiro Wilk Critical Value	0.933	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.0925	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.152	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.064	Mean in Log Scale	0.126
SD in Original Scale	3.134	SD in Log Scale	1.071
95% t UCL (assumes normality of ROS data)	2.878	95% Percentile Bootstrap UCL	2.915
95% BCA Bootstrap UCL	3.222	95% Bootstrap t UCL	4.071
95% H-UCL (Log ROS)	3.024		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.111	95% H-UCL (KM -Log)	3.035
KM SD (logged)	1.082	95% Critical H Value (KM-Log)	2.449
KM Standard Error of Mean (logged)	0.172		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	2.055	Mean in Log Scale	0.0794
SD in Original Scale	3.139	SD in Log Scale	1.146
95% t UCL (Assumes normality)	2.87	95% H-Stat UCL	3.281

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	4.176

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(b)fluoranthene-SVOC

General Statistics

Total Number of Observations	42	Number of Distinct Observations	33
		Number of Missing Observations	171
Number of Detects	38	Number of Non-Detects	4
Number of Distinct Detects	30	Number of Distinct Non-Detects	4
Minimum Detect	0.23	Minimum Non-Detect	0.37
Maximum Detect	24	Maximum Non-Detect	0.75
Variance Detects	22.83	Percent Non-Detects	9.524%
Mean Detects	3.15	SD Detects	4.778
Median Detects	1.8	CV Detects	1.517
Skewness Detects	3.43	Kurtosis Detects	12.26
Mean of Logged Detects	0.572	SD of Logged Detects	1.009

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.541	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.938	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.316	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.144	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	2.88	Standard Error of Mean	0.713
SD	4.562	95% KM (BCA) UCL	4.166
95% KM (t) UCL	4.081	95% KM (Percentile Bootstrap) UCL	4.194
95% KM (z) UCL	4.053	95% KM Bootstrap t UCL	5.621
90% KM Chebyshev UCL	5.02	95% KM Chebyshev UCL	5.99
97.5% KM Chebyshev UCL	7.335	99% KM Chebyshev UCL	9.978

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.517	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.777	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.167	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.147	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.003	k star (bias corrected MLE)	0.942
Theta hat (MLE)	3.14	Theta star (bias corrected MLE)	3.346
nu hat (MLE)	76.24	nu star (bias corrected)	71.56
MLE Mean (bias corrected)	3.15	MLE Sd (bias corrected)	3.247

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.399	nu hat (KM)	33.48
Approximate Chi Square Value (33.48, α)	21.25	Adjusted Chi Square Value (33.48, β)	20.9
95% Gamma Approximate KM-UCL (use when n>=50)	4.538	95% Gamma Adjusted KM-UCL (use when n<50)	4.613

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.851
Maximum	24	Median	1.55
SD	4.634	CV	1.625
k hat (MLE)	0.633	k star (bias corrected MLE)	0.604
Theta hat (MLE)	4.504	Theta star (bias corrected MLE)	4.723
nu hat (MLE)	53.17	nu star (bias corrected)	50.71
MLE Mean (bias corrected)	2.851	MLE Sd (bias corrected)	3.67
		Adjusted Level of Significance (β)	0.0443
Approximate Chi Square Value (50.71, α)	35.36	Adjusted Chi Square Value (50.71, β)	34.9
95% Gamma Approximate UCL (use when n>=50)	4.089	95% Gamma Adjusted UCL (use when n<50)	4.143

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.971	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.938	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.0977	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.144	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.877	Mean in Log Scale	0.394
SD in Original Scale	4.619	SD in Log Scale	1.112
95% t UCL (assumes normality of ROS data)	4.076	95% Percentile Bootstrap UCL	4.092
95% BCA Bootstrap UCL	4.594	95% Bootstrap t UCL	5.717
95% H-UCL (Log ROS)	4.232		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.402	95% H-UCL (KM -Log)	4.102
KM SD (logged)	1.089	95% Critical H Value (KM-Log)	2.456
KM Standard Error of Mean (logged)	0.171		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	2.874	Mean in Log Scale	0.383
SD in Original Scale	4.62	SD in Log Scale	1.129
95% t UCL (Assumes normality)	4.074	95% H-Stat UCL	4.315

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	5.99

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Carbazole-SVOC

General Statistics

Total Number of Observations	26	Number of Distinct Observations	17
		Number of Missing Observations	157
Number of Detects	7	Number of Non-Detects	19
Number of Distinct Detects	7	Number of Distinct Non-Detects	10
Minimum Detect	0.49	Minimum Non-Detect	0.35
Maximum Detect	6	Maximum Non-Detect	0.46
Variance Detects	4.077	Percent Non-Detects	73.08%
Mean Detects	1.47	SD Detects	2.019
Median Detects	0.55	CV Detects	1.374
Skewness Detects	2.534	Kurtosis Detects	6.517
Mean of Logged Detects	-0.092	SD of Logged Detects	0.904

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.566	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.803	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.391	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.335	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.652	Standard Error of Mean	0.231
SD	1.09	95% KM (BCA) UCL	1.072
95% KM (t) UCL	1.046	95% KM (Percentile Bootstrap) UCL	1.068
95% KM (z) UCL	1.031	95% KM Bootstrap t UCL	2.89
90% KM Chebyshev UCL	1.344	95% KM Chebyshev UCL	1.658
97.5% KM Chebyshev UCL	2.093	99% KM Chebyshev UCL	2.948

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.116	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.725	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.295	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.319	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.187	k star (bias corrected MLE)	0.773
Theta hat (MLE)	1.239	Theta star (bias corrected MLE)	1.901
nu hat (MLE)	16.61	nu star (bias corrected)	10.83
MLE Mean (bias corrected)	1.47	MLE Sd (bias corrected)	1.672

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.357	nu hat (KM)	18.59
Approximate Chi Square Value (18.59, α)	9.817	Adjusted Chi Square Value (18.59, β)	9.396
95% Gamma Approximate KM-UCL (use when n>=50)	1.234	95% Gamma Adjusted KM-UCL (use when n<50)	1.289

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.403
Maximum	6	Median	0.01
SD	1.189	CV	2.951
k hat (MLE)	0.281	k star (bias corrected MLE)	0.274
Theta hat (MLE)	1.435	Theta star (bias corrected MLE)	1.47
nu hat (MLE)	14.61	nu star (bias corrected)	14.25
MLE Mean (bias corrected)	0.403	MLE Sd (bias corrected)	0.77
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (14.25, α)	6.746	Adjusted Chi Square Value (14.25, β)	6.406
95% Gamma Approximate UCL (use when n>=50)	0.852	95% Gamma Adjusted UCL (use when n<50)	0.897

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.743	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.803	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.283	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.335	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.427	Mean in Log Scale	-2.509
SD in Original Scale	1.181	SD in Log Scale	1.683
95% t UCL (assumes normality of ROS data)	0.823	95% Percentile Bootstrap UCL	0.847
95% BCA Bootstrap UCL	1.095	95% Bootstrap t UCL	1.837
95% H-UCL (Log ROS)	1.089		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-0.792	95% H-UCL (KM -Log)	0.7
KM SD (logged)	0.608	95% Critical H Value (KM-Log)	2.062
KM Standard Error of Mean (logged)	0.129		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.543	Mean in Log Scale	-1.197
SD in Original Scale	1.144	SD in Log Scale	0.819
95% t UCL (Assumes normality)	0.926	95% H-Stat UCL	0.614

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.046	95% GROS Adjusted Gamma UCL	0.897
95% Adjusted Gamma KM-UCL	1.289		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Dibenz(a,h)anthracene-SVOC

General Statistics

Total Number of Observations	42	Number of Distinct Observations	23
		Number of Missing Observations	171
Number of Detects	10	Number of Non-Detects	32
Number of Distinct Detects	10	Number of Distinct Non-Detects	14
Minimum Detect	0.24	Minimum Non-Detect	0.19
Maximum Detect	13	Maximum Non-Detect	0.75
Variance Detects	17.01	Percent Non-Detects	76.19%
Mean Detects	2.337	SD Detects	4.125
Median Detects	0.56	CV Detects	1.765

Skewness Detects	2.402	Kurtosis Detects	5.61
Mean of Logged Detects	-0.107	SD of Logged Detects	1.273

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.566	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.427	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.713	Standard Error of Mean	0.344
SD	2.114	95% KM (BCA) UCL	1.324
95% KM (t) UCL	1.292	95% KM (Percentile Bootstrap) UCL	1.306
95% KM (z) UCL	1.279	95% KM Bootstrap t UCL	6.318
90% KM Chebyshev UCL	1.746	95% KM Chebyshev UCL	2.213
97.5% KM Chebyshev UCL	2.862	99% KM Chebyshev UCL	4.137

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.498	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.766	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.362	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.278	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.64	k star (bias corrected MLE)	0.515
Theta hat (MLE)	3.651	Theta star (bias corrected MLE)	4.54
nu hat (MLE)	12.8	nu star (bias corrected)	10.29
MLE Mean (bias corrected)	2.337	MLE Sd (bias corrected)	3.257

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.114	nu hat (KM)	9.564
Approximate Chi Square Value (9.56, α)	3.671	Adjusted Chi Square Value (9.56, β)	3.541
95% Gamma Approximate KM-UCL (use when n>=50)	1.859	95% Gamma Adjusted KM-UCL (use when n<50)	1.927

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.564
Maximum	13	Median	0.01
SD	2.177	CV	3.86
k hat (MLE)	0.241	k star (bias corrected MLE)	0.24
Theta hat (MLE)	2.338	Theta star (bias corrected MLE)	2.352
nu hat (MLE)	20.26	nu star (bias corrected)	20.15
MLE Mean (bias corrected)	0.564	MLE Sd (bias corrected)	1.152
		Adjusted Level of Significance (β)	0.0443
Approximate Chi Square Value (20.15, α)	10.96	Adjusted Chi Square Value (20.15, β)	10.72

95% Gamma Approximate UCL (use when n>=50)	1.037	95% Gamma Adjusted UCL (use when n<50)	1.06

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.794	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.287	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.583	Mean in Log Scale	-2.938
SD in Original Scale	2.173	SD in Log Scale	1.928
95% t UCL (assumes normality of ROS data)	1.147	95% Percentile Bootstrap UCL	1.198
95% BCA Bootstrap UCL	1.505	95% Bootstrap t UCL	4.913
95% H-UCL (Log ROS)	0.989		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.703	Mean in Log Scale	-1.304
SD in Original Scale	2.143	SD in Log Scale	0.932
95% t UCL (Assumes normality)	1.26	95% H-Stat UCL	0.584

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	1.324

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1242 (PCB-1242)

General Statistics

Total Number of Observations	190	Number of Distinct Observations	64
		Number of Missing Observations	34
Number of Detects	1	Number of Non-Detects	189
Number of Distinct Detects	1	Number of Distinct Non-Detects	63

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor-1242 (PCB-1242) was not processed!

Aroclor-1248 (PCB-1248)

General Statistics

Total Number of Observations	190	Number of Distinct Observations	70
		Number of Missing Observations	34
Number of Detects	20	Number of Non-Detects	170
Number of Distinct Detects	18	Number of Distinct Non-Detects	55
Minimum Detect	0.14	Minimum Non-Detect	0.042
Maximum Detect	210	Maximum Non-Detect	45
Variance Detects	3447	Percent Non-Detects	89.47%
Mean Detects	26.23	SD Detects	58.71
Median Detects	0.92	CV Detects	2.238
Skewness Detects	2.445	Kurtosis Detects	5.157
Mean of Logged Detects	0.613	SD of Logged Detects	2.498

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.512	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.426	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	2.806	Standard Error of Mean	1.506
SD	20.23	95% KM (BCA) UCL	5.512
95% KM (t) UCL	5.295	95% KM (Percentile Bootstrap) UCL	5.474
95% KM (z) UCL	5.283	95% KM Bootstrap t UCL	20.2
90% KM Chebyshev UCL	7.323	95% KM Chebyshev UCL	9.37
97.5% KM Chebyshev UCL	12.21	99% KM Chebyshev UCL	17.79

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.758	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.861	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.222	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.212	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.265	k star (bias corrected MLE)	0.259
Theta hat (MLE)	98.96	Theta star (bias corrected MLE)	101.4
nu hat (MLE)	10.6	nu star (bias corrected)	10.35
MLE Mean (bias corrected)	26.23	MLE Sd (bias corrected)	51.58

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0192	nu hat (KM)	7.31
Approximate Chi Square Value (7.31, α)	2.342	Adjusted Chi Square Value (7.31, β)	2.321
95% Gamma Approximate KM-UCL (use when n>=50)	8.757	95% Gamma Adjusted KM-UCL (use when n<50)	8.838

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.77
Maximum	210	Median	0.01
SD	20.29	CV	7.324
k hat (MLE)	0.151	k star (bias corrected MLE)	0.152
Theta hat (MLE)	18.31	Theta star (bias corrected MLE)	18.18
nu hat (MLE)	57.48	nu star (bias corrected)	57.91
MLE Mean (bias corrected)	2.77	MLE Sd (bias corrected)	7.096
		Adjusted Level of Significance (β)	0.0487
Approximate Chi Square Value (57.91, α)	41.41	Adjusted Chi Square Value (57.91, β)	41.31
95% Gamma Approximate UCL (use when n>=50)	3.873	95% Gamma Adjusted UCL (use when n<50)	3.883

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.872	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.189	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.762	Mean in Log Scale	-9.479
SD in Original Scale	20.29	SD in Log Scale	4.808
95% t UCL (assumes normality of ROS data)	5.195	95% Percentile Bootstrap UCL	5.509
95% BCA Bootstrap UCL	6.423	95% Bootstrap t UCL	19.13
95% H-UCL (Log ROS)	86.25		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-2.754	95% H-UCL (KM -Log)	0.226
KM SD (logged)	1.415	95% Critical H Value (KM-Log)	2.569
KM Standard Error of Mean (logged)	0.107		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	3.13	Mean in Log Scale	-2.549
SD in Original Scale	20.33	SD in Log Scale	1.856
95% t UCL (Assumes normality)	5.568	95% H-Stat UCL	0.661

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

97.5% KM (Chebyshev) UCL	12.21

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1254 (PCB-1254)

General Statistics

Total Number of Observations	190	Number of Distinct Observations	102
		Number of Missing Observations	34
Number of Detects	84	Number of Non-Detects	106
Number of Distinct Detects	70	Number of Distinct Non-Detects	38
Minimum Detect	0.057	Minimum Non-Detect	0.044
Maximum Detect	180	Maximum Non-Detect	46
Variance Detects	937.1	Percent Non-Detects	55.79%
Mean Detects	10.17	SD Detects	30.61
Median Detects	0.585	CV Detects	3.011
Skewness Detects	4.368	Kurtosis Detects	19.76
Mean of Logged Detects	0.00235	SD of Logged Detects	2.014

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.375	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.376	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0967	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	4.534	Standard Error of Mean	1.522
SD	20.85	95% KM (BCA) UCL	7.441
95% KM (t) UCL	7.049	95% KM (Percentile Bootstrap) UCL	7.127
95% KM (z) UCL	7.037	95% KM Bootstrap t UCL	9
90% KM Chebyshev UCL	9.099	95% KM Chebyshev UCL	11.17
97.5% KM Chebyshev UCL	14.04	99% KM Chebyshev UCL	19.68

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	8.069	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.867	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.247	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.106	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.298	k star (bias corrected MLE)	0.295
Theta hat (MLE)	34.12	Theta star (bias corrected MLE)	34.43
nu hat (MLE)	50.06	nu star (bias corrected)	49.6
MLE Mean (bias corrected)	10.17	MLE Sd (bias corrected)	18.71

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0473	nu hat (KM)	17.97
Approximate Chi Square Value (17.97, α)	9.367	Adjusted Chi Square Value (17.97, β)	9.32
95% Gamma Approximate KM-UCL (use when n>=50)	8.696	95% Gamma Adjusted KM-UCL (use when n<50)	8.74

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	4.5
Maximum	180	Median	0.01
SD	20.91	CV	4.646
k hat (MLE)	0.183	k star (bias corrected MLE)	0.184
Theta hat (MLE)	24.57	Theta star (bias corrected MLE)	24.48
nu hat (MLE)	69.61	nu star (bias corrected)	69.84
MLE Mean (bias corrected)	4.5	MLE Sd (bias corrected)	10.5
		Adjusted Level of Significance (β)	0.0487
Approximate Chi Square Value (69.84, α)	51.61	Adjusted Chi Square Value (69.84, β)	51.49
95% Gamma Approximate UCL (use when n>=50)	6.091	95% Gamma Adjusted UCL (use when n<50)	6.105

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.143	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0967	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	4.501	Mean in Log Scale	-2.913
SD in Original Scale	20.91	SD in Log Scale	3.109
95% t UCL (assumes normality of ROS data)	7.008	95% Percentile Bootstrap UCL	7.133
95% BCA Bootstrap UCL	7.842	95% Bootstrap t UCL	8.992
95% H-UCL (Log ROS)	19.26		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	4.718	Mean in Log Scale	-1.787
SD in Original Scale	20.95	SD in Log Scale	2.232
95% t UCL (Assumes normality)	7.23	95% H-Stat UCL	3.559

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

97.5% KM (Chebyshev) UCL	14.04

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Aroclor-1260 (PCB-1260)

General Statistics

Total Number of Observations	190	Number of Distinct Observations	92
		Number of Missing Observations	34

Number of Detects	82	Number of Non-Detects	108
Number of Distinct Detects	65	Number of Distinct Non-Detects	36
Minimum Detect	0.051	Minimum Non-Detect	0.044
Maximum Detect	110	Maximum Non-Detect	8.3
Variance Detects	513.2	Percent Non-Detects	56.84%
Mean Detects	8.426	SD Detects	22.65
Median Detects	0.58	CV Detects	2.689
Skewness Detects	3.582	Kurtosis Detects	12.6
Mean of Logged Detects	-0.042	SD of Logged Detects	1.957

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.415	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.389	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0978	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	3.667	Standard Error of Mean	1.121
SD	15.36	95% KM (BCA) UCL	5.74
95% KM (t) UCL	5.52	95% KM (Percentile Bootstrap) UCL	5.621
95% KM (z) UCL	5.511	95% KM Bootstrap t UCL	6.485
90% KM Chebyshev UCL	7.031	95% KM Chebyshev UCL	8.554
97.5% KM Chebyshev UCL	10.67	99% KM Chebyshev UCL	14.82

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	7.858	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.862	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.244	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.107	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.315	k star (bias corrected MLE)	0.311
Theta hat (MLE)	26.76	Theta star (bias corrected MLE)	27.05
nu hat (MLE)	51.63	nu star (bias corrected)	51.07
MLE Mean (bias corrected)	8.426	MLE Sd (bias corrected)	15.1

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.057	nu hat (KM)	21.65
Approximate Chi Square Value (21.65, α)	12.07	Adjusted Chi Square Value (21.65, β)	12.02
95% Gamma Approximate KM-UCL (use when n>=50)	6.574	95% Gamma Adjusted KM-UCL (use when n<50)	6.603

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	3.642

Maximum	110	Median	0.01
SD	15.41	CV	4.231
k hat (MLE)	0.189	k star (bias corrected MLE)	0.19
Theta hat (MLE)	19.27	Theta star (bias corrected MLE)	19.22
nu hat (MLE)	71.82	nu star (bias corrected)	72.02
MLE Mean (bias corrected)	3.642	MLE Sd (bias corrected)	8.366
		Adjusted Level of Significance (β)	0.0487
Approximate Chi Square Value (72.02, α)	53.48	Adjusted Chi Square Value (72.02, β)	53.35
95% Gamma Approximate UCL (use when n>=50)	4.905	95% Gamma Adjusted UCL (use when n<50)	4.916

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.139	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.0978	Detected Data Not Lognormal at 5% Significance Level	

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	3.643	Mean in Log Scale	-2.997
SD in Original Scale	15.41	SD in Log Scale	3.078
95% t UCL (assumes normality of ROS data)	5.49	95% Percentile Bootstrap UCL	5.601
95% BCA Bootstrap UCL	6.03	95% Bootstrap t UCL	6.246
95% H-UCL (Log ROS)	15.74		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	3.696	Mean in Log Scale	-1.889
SD in Original Scale	15.4	SD in Log Scale	2.142
95% t UCL (Assumes normality)	5.542	95% H-Stat UCL	2.542

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	8.554

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SUM of PCBs

General Statistics

Total Number of Observations	190	Number of Distinct Observations	112
		Number of Missing Observations	34
Number of Detects	90	Number of Non-Detects	100
Number of Distinct Detects	81	Number of Distinct Non-Detects	33
Minimum Detect	0.083	Minimum Non-Detect	0.044
Maximum Detect	420	Maximum Non-Detect	0.14
Variance Detects	4627	Percent Non-Detects	52.63%

Mean Detects	23.15	SD Detects	68.02
Median Detects	1.19	CV Detects	2.938
Skewness Detects	4.184	Kurtosis Detects	18.52
Mean of Logged Detects	0.764	SD of Logged Detects	2.086

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.391	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.402	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0934	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	10.99	Standard Error of Mean	3.499
SD	47.96	95% KM (BCA) UCL	17.01
95% KM (t) UCL	16.77	95% KM (Percentile Bootstrap) UCL	17.33
95% KM (z) UCL	16.74	95% KM Bootstrap t UCL	20.6
90% KM Chebyshev UCL	21.49	95% KM Chebyshev UCL	26.24
97.5% KM Chebyshev UCL	32.84	99% KM Chebyshev UCL	45.81

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	8.136	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.872	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.231	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.102	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.291	k star (bias corrected MLE)	0.289
Theta hat (MLE)	79.46	Theta star (bias corrected MLE)	80.1
nu hat (MLE)	52.44	nu star (bias corrected)	52.03
MLE Mean (bias corrected)	23.15	MLE Sd (bias corrected)	43.06

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0525	nu hat (KM)	19.95
Approximate Chi Square Value (19.95, α)	10.81	Adjusted Chi Square Value (19.95, β)	10.76
95% Gamma Approximate KM-UCL (use when n>=50)	20.27	95% Gamma Adjusted KM-UCL (use when n<50)	20.37

Gamma (KM) may not be used when k hat (KM) is < 0.1

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	10.97
Maximum	420	Median	0.01
SD	48.1	CV	4.384
k hat (MLE)	0.169	k star (bias corrected MLE)	0.17
Theta hat (MLE)	64.78	Theta star (bias corrected MLE)	64.46
nu hat (MLE)	64.36	nu star (bias corrected)	64.68

MLE Mean (bias corrected)	10.97	MLE Sd (bias corrected)	26.59
		Adjusted Level of Significance (β)	0.0487
Approximate Chi Square Value (64.68, α)	47.17	Adjusted Chi Square Value (64.68, β)	47.06
95% Gamma Approximate UCL (use when n>=50)	15.04	95% Gamma Adjusted UCL (use when n<50)	15.08

Lognormal GOF Test on Detected Observations Only

Lilliefors Test Statistic	0.155	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.0934	Detected Data Not Lognormal at 5% Significance Level	

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	10.98	Mean in Log Scale	-2.137
SD in Original Scale	48.09	SD in Log Scale	3.274
95% t UCL (assumes normality of ROS data)	16.74	95% Percentile Bootstrap UCL	16.72
95% BCA Bootstrap UCL	18.92	95% Bootstrap t UCL	19.94
95% H-UCL (Log ROS)	78.55		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	10.98	Mean in Log Scale	-1.442
SD in Original Scale	48.09	SD in Log Scale	2.552
95% t UCL (Assumes normality)	16.75	95% H-Stat UCL	12.62

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

97.5% KM (Chebyshev) UCL	32.84

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Antimony

General Statistics

Total Number of Observations	26	Number of Distinct Observations	23
		Number of Missing Observations	157
Number of Detects	22	Number of Non-Detects	4
Number of Distinct Detects	20	Number of Distinct Non-Detects	4
Minimum Detect	1.3	Minimum Non-Detect	1.1
Maximum Detect	54	Maximum Non-Detect	1.5
Variance Detects	186.5	Percent Non-Detects	15.38%
Mean Detects	9.85	SD Detects	13.66
Median Detects	4.15	CV Detects	1.386
Skewness Detects	2.443	Kurtosis Detects	5.729
Mean of Logged Detects	1.676	SD of Logged Detects	1.047

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.628	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.911	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.296	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.189	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	8.509	Standard Error of Mean	2.543
SD	12.67	95% KM (BCA) UCL	12.87
95% KM (t) UCL	12.85	95% KM (Percentile Bootstrap) UCL	12.79
95% KM (z) UCL	12.69	95% KM Bootstrap t UCL	17.8
90% KM Chebyshev UCL	16.14	95% KM Chebyshev UCL	19.6
97.5% KM Chebyshev UCL	24.39	99% KM Chebyshev UCL	33.81

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.357	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.773	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.212	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.191	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.95	k star (bias corrected MLE)	0.851
Theta hat (MLE)	10.36	Theta star (bias corrected MLE)	11.57
nu hat (MLE)	41.82	nu star (bias corrected)	37.45
MLE Mean (bias corrected)	9.85	MLE Sd (bias corrected)	10.68

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.451	nu hat (KM)	23.45
Approximate Chi Square Value (23.45, α)	13.43	Adjusted Chi Square Value (23.45, β)	12.93
95% Gamma Approximate KM-UCL (use when n>=50)	14.86	95% Gamma Adjusted KM-UCL (use when n<50)	15.43

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	8.336
Maximum	54	Median	3.3
SD	13.03	CV	1.563
k hat (MLE)	0.457	k star (bias corrected MLE)	0.43
Theta hat (MLE)	18.25	Theta star (bias corrected MLE)	19.4
nu hat (MLE)	23.75	nu star (bias corrected)	22.34
MLE Mean (bias corrected)	8.336	MLE Sd (bias corrected)	12.72
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (22.34, α)	12.6	Adjusted Chi Square Value (22.34, β)	12.11
95% Gamma Approximate UCL (use when n>=50)	14.79	95% Gamma Adjusted UCL (use when n<50)	15.38

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.921	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.911	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.137	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.189	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	8.417	Mean in Log Scale	1.321
SD in Original Scale	12.98	SD in Log Scale	1.284
95% t UCL (assumes normality of ROS data)	12.76	95% Percentile Bootstrap UCL	12.76
95% BCA Bootstrap UCL	14.54	95% Bootstrap t UCL	17.83
95% H-UCL (Log ROS)	17.98		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	1.438	95% H-UCL (KM -Log)	13.66
KM SD (logged)	1.096	95% Critical H Value (KM-Log)	2.633
KM Standard Error of Mean (logged)	0.22		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	8.437	Mean in Log Scale	1.354
SD in Original Scale	12.97	SD in Log Scale	1.232
95% t UCL (Assumes normality)	12.78	95% H-Stat UCL	16.57

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

97.5% KM (Chebyshev) UCL	24.39

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Arsenic

General Statistics

Total Number of Observations	42	Number of Distinct Observations	33
		Number of Missing Observations	171
Number of Detects	25	Number of Non-Detects	17
Number of Distinct Detects	25	Number of Distinct Non-Detects	9
Minimum Detect	2.9	Minimum Non-Detect	2.6
Maximum Detect	120	Maximum Non-Detect	4.3
Variance Detects	600.1	Percent Non-Detects	40.48%
Mean Detects	15.76	SD Detects	24.5
Median Detects	7.9	CV Detects	1.555
Skewness Detects	3.624	Kurtosis Detects	14.5
Mean of Logged Detects	2.223	SD of Logged Detects	0.914

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.518	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.305	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	10.52	Standard Error of Mean	3.083
SD	19.58	95% KM (BCA) UCL	15.82
95% KM (t) UCL	15.71	95% KM (Percentile Bootstrap) UCL	15.96
95% KM (z) UCL	15.59	95% KM Bootstrap t UCL	23.69
90% KM Chebyshev UCL	19.77	95% KM Chebyshev UCL	23.96
97.5% KM Chebyshev UCL	29.77	99% KM Chebyshev UCL	41.2

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.705	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.771	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.224	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.179	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.072	k star (bias corrected MLE)	0.97
Theta hat (MLE)	14.69	Theta star (bias corrected MLE)	16.24
nu hat (MLE)	53.62	nu star (bias corrected)	48.52
MLE Mean (bias corrected)	15.76	MLE Sd (bias corrected)	15.99

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.289	nu hat (KM)	24.25
Approximate Chi Square Value (24.25, α)	14.04	Adjusted Chi Square Value (24.25, β)	13.76
95% Gamma Approximate KM-UCL (use when n>=50)	18.17	95% Gamma Adjusted KM-UCL (use when n<50)	18.54

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	9.383
Maximum	120	Median	4.1
SD	20.31	CV	2.164
k hat (MLE)	0.255	k star (bias corrected MLE)	0.252
Theta hat (MLE)	36.83	Theta star (bias corrected MLE)	37.17
nu hat (MLE)	21.4	nu star (bias corrected)	21.21
MLE Mean (bias corrected)	9.383	MLE Sd (bias corrected)	18.67
		Adjusted Level of Significance (β)	0.0443
Approximate Chi Square Value (21.21, α)	11.74	Adjusted Chi Square Value (21.21, β)	11.49
95% Gamma Approximate UCL (use when n>=50)	16.94	95% Gamma Adjusted UCL (use when n<50)	17.31

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.915	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.15	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	9.987	Mean in Log Scale	1.451
SD in Original Scale	20.04	SD in Log Scale	1.213
95% t UCL (assumes normality of ROS data)	15.19	95% Percentile Bootstrap UCL	15.29
95% BCA Bootstrap UCL	18.77	95% Bootstrap t UCL	23.46
95% H-UCL (Log ROS)	14.58		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	1.742	95% H-UCL (KM -Log)	11.84
KM SD (logged)	0.906	95% Critical H Value (KM-Log)	2.257
KM Standard Error of Mean (logged)	0.143		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	10.09	Mean in Log Scale	1.547
SD in Original Scale	19.99	SD in Log Scale	1.089
95% t UCL (Assumes normality)	15.28	95% H-Stat UCL	12.9

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	15.71	95% KM (% Bootstrap) UCL	15.96

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Lead

General Statistics

Total Number of Observations	42	Number of Distinct Observations	38
		Number of Missing Observations	171
Minimum	9.9	Mean	1048
Maximum	6500	Median	615
SD	1411	Std. Error of Mean	217.8
Coefficient of Variation	1.346	Skewness	2.423

Normal GOF Test

Shapiro Wilk Test Statistic	0.675	**Shapiro Wilk GOF Test**

5% Shapiro Wilk Critical Value	0.942	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.234	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.137	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	1415	95% Adjusted-CLT UCL (Chen-1995)	1494
		95% Modified-t UCL (Johnson-1978)	1428

Gamma GOF Test

A-D Test Statistic	0.297	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.795	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0879	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.142	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.696	k star (bias corrected MLE)	0.662
Theta hat (MLE)	1507	Theta star (bias corrected MLE)	1584
nu hat (MLE)	58.42	nu star (bias corrected)	55.58
MLE Mean (bias corrected)	1048	MLE Sd (bias corrected)	1289
		Approximate Chi Square Value (0.05)	39.45
Adjusted Level of Significance	0.0443	Adjusted Chi Square Value	38.97

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	1477	95% Adjusted Gamma UCL (use when n<50)	1495

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.918	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.942	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.114	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.137	Data appear Lognormal at 5% Significance Level

Data appear Approximate Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.293	Mean of logged Data	6.085
Maximum of Logged Data	8.78	SD of logged Data	1.55

Assuming Lognormal Distribution

95% H-UCL	3042	90% Chebyshev (MVUE) UCL	2683
95% Chebyshev (MVUE) UCL	3274	97.5% Chebyshev (MVUE) UCL	4095
99% Chebyshev (MVUE) UCL	5707		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	1407	95% Jackknife UCL	1415
95% Standard Bootstrap UCL	1403	95% Bootstrap-t UCL	1598

95% Hall's Bootstrap UCL	1536	95% Percentile Bootstrap UCL	1431
95% BCA Bootstrap UCL	1524		
90% Chebyshev(Mean, Sd) UCL	1702	95% Chebyshev(Mean, Sd) UCL	1998
97.5% Chebyshev(Mean, Sd) UCL	2409	99% Chebyshev(Mean, Sd) UCL	3215

Suggested UCL to Use

95% Adjusted Gamma UCL	1495

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Thallium

General Statistics

Total Number of Observations	26	Number of Distinct Observations	23
		Number of Missing Observations	157
Number of Detects	14	Number of Non-Detects	12
Number of Distinct Detects	14	Number of Distinct Non-Detects	10
Minimum Detect	6.6	Minimum Non-Detect	5.3
Maximum Detect	100	Maximum Non-Detect	7.3
Variance Detects	578.1	Percent Non-Detects	46.15%
Mean Detects	19.57	SD Detects	24.04
Median Detects	12	CV Detects	1.229
Skewness Detects	3.293	Kurtosis Detects	11.53
Mean of Logged Detects	2.637	SD of Logged Detects	0.727

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.532	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.874	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.307	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.237	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	13.01	Standard Error of Mean	3.749
SD	18.42	95% KM (BCA) UCL	20.63
95% KM (t) UCL	19.42	95% KM (Percentile Bootstrap) UCL	19.88
95% KM (z) UCL	19.18	95% KM Bootstrap t UCL	31.67
90% KM Chebyshev UCL	24.26	95% KM Chebyshev UCL	29.36
97.5% KM Chebyshev UCL	36.43	99% KM Chebyshev UCL	50.32

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.186	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.749	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.207	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.232	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.632	k star (bias corrected MLE)	1.33
Theta hat (MLE)	11.99	Theta star (bias corrected MLE)	14.72
nu hat (MLE)	45.69	nu star (bias corrected)	37.23
MLE Mean (bias corrected)	19.57	MLE Sd (bias corrected)	16.97

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.499	nu hat (KM)	25.96
Approximate Chi Square Value (25.96, α)	15.35	Adjusted Chi Square Value (25.96, β)	14.81
95% Gamma Approximate KM-UCL (use when n>=50)	22.01	95% Gamma Adjusted KM-UCL (use when n<50)	22.81

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	10.54
Maximum	100	Median	6.65
SD	19.99	CV	1.896
k hat (MLE)	0.234	k star (bias corrected MLE)	0.233
Theta hat (MLE)	44.97	Theta star (bias corrected MLE)	45.24
nu hat (MLE)	12.19	nu star (bias corrected)	12.12
MLE Mean (bias corrected)	10.54	MLE Sd (bias corrected)	21.84
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (12.12, α)	5.305	Adjusted Chi Square Value (12.12, β)	5.009
95% Gamma Approximate UCL (use when n>=50)	24.08	95% Gamma Adjusted UCL (use when n<50)	25.51

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.858	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.874	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.151	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.237	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	11.61	Mean in Log Scale	1.8
SD in Original Scale	19.43	SD in Log Scale	1.07
95% t UCL (assumes normality of ROS data)	18.12	95% Percentile Bootstrap UCL	18.48
95% BCA Bootstrap UCL	22.14	95% Bootstrap t UCL	27.73
95% H-UCL (Log ROS)	18.71		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	2.195	95% H-UCL (KM -Log)	15.56
KM SD (logged)	0.703	95% Critical H Value (KM-Log)	2.156
KM Standard Error of Mean (logged)	0.143		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	11.99	Mean in Log Scale	1.947
SD in Original Scale	19.25	SD in Log Scale	0.925

95% t UCL (Assumes normality)	18.44	95% H-Stat UCL	16.81

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	19.42	95% GROS Adjusted Gamma UCL	25.51
95% Adjusted Gamma KM-UCL	22.81		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Total Petroleum Hydrocarbons (C9-C36)

General Statistics

Total Number of Observations	16	Number of Distinct Observations	15
		Number of Missing Observations	197
Minimum	260	Mean	1857
Maximum	10000	Median	855
SD	2614	Std. Error of Mean	653.5
Coefficient of Variation	1.408	Skewness	2.654

Normal GOF Test

Shapiro Wilk Test Statistic	0.57	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.887	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.384	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.222	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	3002	95% Adjusted-CLT UCL (Chen-1995)	3395
		95% Modified-t UCL (Johnson-1978)	3075

Gamma GOF Test

A-D Test Statistic	1.433	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.762	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.26	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.221	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.093	k star (bias corrected MLE)	0.929
Theta hat (MLE)	1700	Theta star (bias corrected MLE)	1998
nu hat (MLE)	34.96	nu star (bias corrected)	29.74
MLE Mean (bias corrected)	1857	MLE Sd (bias corrected)	1926

		Approximate Chi Square Value (0.05)	18.29
Adjusted Level of Significance	0.0335	Adjusted Chi Square Value	17.27

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	3020	95% Adjusted Gamma UCL (use when n<50)	3198

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.902	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.887	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.175	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.222	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	5.561	Mean of logged Data	7.004
Maximum of Logged Data	9.21	SD of logged Data	0.936

Assuming Lognormal Distribution

95% H-UCL	3204	90% Chebyshev (MVUE) UCL	2903
95% Chebyshev (MVUE) UCL	3473	97.5% Chebyshev (MVUE) UCL	4265
99% Chebyshev (MVUE) UCL	5819		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	2932	95% Jackknife UCL	3002
95% Standard Bootstrap UCL	2899	95% Bootstrap-t UCL	7342
95% Hall's Bootstrap UCL	8980	95% Percentile Bootstrap UCL	3057
95% BCA Bootstrap UCL	3676		
90% Chebyshev(Mean, Sd) UCL	3817	95% Chebyshev(Mean, Sd) UCL	4705
97.5% Chebyshev(Mean, Sd) UCL	5938	99% Chebyshev(Mean, Sd) UCL	8359

Suggested UCL to Use

95% H-UCL	3204

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.
H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.
It is therefore recommended to avoid the use of H-statistic based 95% UCLs.
Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

C5-C8 ALIPHATICS, ADJ.

General Statistics

Total Number of Observations	26	Number of Distinct Observations	13

		Number of Missing Observations	157
Number of Detects	3	Number of Non-Detects	23
Number of Distinct Detects	3	Number of Distinct Non-Detects	10
Minimum Detect	3.3	Minimum Non-Detect	1
Maximum Detect	8.9	Maximum Non-Detect	2.2
Variance Detects	9.31	Percent Non-Detects	88.46%
Mean Detects	5.4	SD Detects	3.051
Median Detects	4	CV Detects	0.565
Skewness Detects	1.63	Kurtosis Detects	N/A
Mean of Logged Detects	1.589	SD of Logged Detects	0.526

Warning: Data set has only 3 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.842	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.343	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.512	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.508	Standard Error of Mean	0.394
SD	1.641	95% KM (BCA) UCL	N/A
95% KM (t) UCL	2.181	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	2.156	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	2.69	95% KM Chebyshev UCL	3.226
97.5% KM Chebyshev UCL	3.969	99% KM Chebyshev UCL	5.429

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	5.282	k star (bias corrected MLE)	N/A
Theta hat (MLE)	1.022	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	31.69	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.844	nu hat (KM)	43.9
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (43.90, α)	29.71	Adjusted Chi Square Value (43.90, β)	28.94
95% Gamma Approximate KM-UCL (use when n>=50)	2.228	95% Gamma Adjusted KM-UCL (use when n<50)	2.288

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.889	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.316	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.512	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.836	Mean in Log Scale	-1.399
SD in Original Scale	1.9	SD in Log Scale	1.401
95% t UCL (assumes normality of ROS data)	1.472	95% Percentile Bootstrap UCL	1.522
95% BCA Bootstrap UCL	1.791	95% Bootstrap t UCL	2.407
95% H-UCL (Log ROS)	1.554		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.183	95% H-UCL (KM -Log)	1.704
KM SD (logged)	0.528	95% Critical H Value (KM-Log)	1.989
KM Standard Error of Mean (logged)	0.127		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.269	Mean in Log Scale	-0.115
SD in Original Scale	1.756	SD in Log Scale	0.676
95% t UCL (Assumes normality)	1.857	95% H-Stat UCL	1.494

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	2.181	95% KM (Percentile Bootstrap) UCL	N/A

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C10 AROMATICS

General Statistics

Total Number of Observations	26	Number of Distinct Observations	11
		Number of Missing Observations	157
Number of Detects	6	Number of Non-Detects	20
Number of Distinct Detects	5	Number of Distinct Non-Detects	9
Minimum Detect	1.2	Minimum Non-Detect	1
Maximum Detect	4.3	Maximum Non-Detect	2.1
Variance Detects	1.171	Percent Non-Detects	76.92%
Mean Detects	2.267	SD Detects	1.082
Median Detects	2.1	CV Detects	0.477
Skewness Detects	1.622	Kurtosis Detects	3.252
Mean of Logged Detects	0.736	SD of Logged Detects	0.431

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.846	**Shapiro Wilk GOF Test**

5% Shapiro Wilk Critical Value	0.788	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.321	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.362	Detected Data appear Normal at 5% Significance Level	

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.313	Standard Error of Mean	0.154
SD	0.711	95% KM (BCA) UCL	1.658
95% KM (t) UCL	1.577	95% KM (Percentile Bootstrap) UCL	1.607
95% KM (z) UCL	1.567	95% KM Bootstrap t UCL	1.61
90% KM Chebyshev UCL	1.776	95% KM Chebyshev UCL	1.986
97.5% KM Chebyshev UCL	2.277	99% KM Chebyshev UCL	2.849

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.342	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.698	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.266	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.333	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	6.269	k star (bias corrected MLE)	3.246
Theta hat (MLE)	0.362	Theta star (bias corrected MLE)	0.698
nu hat (MLE)	75.23	nu star (bias corrected)	38.95
MLE Mean (bias corrected)	2.267	MLE Sd (bias corrected)	1.258

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	3.41	nu hat (KM)	177.3
Approximate Chi Square Value (177.31, α)	147.5	Adjusted Chi Square Value (177.31, β)	145.7
95% Gamma Approximate KM-UCL (use when n>=50)	1.578	95% Gamma Adjusted KM-UCL (use when n<50)	1.597

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.57
Maximum	4.3	Median	0.01
SD	1.072	CV	1.881
k hat (MLE)	0.286	k star (bias corrected MLE)	0.278
Theta hat (MLE)	1.996	Theta star (bias corrected MLE)	2.049
nu hat (MLE)	14.85	nu star (bias corrected)	14.47
MLE Mean (bias corrected)	0.57	MLE Sd (bias corrected)	1.081
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (14.47, α)	6.892	Adjusted Chi Square Value (14.47, β)	6.548
95% Gamma Approximate UCL (use when n>=50)	1.196	95% Gamma Adjusted UCL (use when n<50)	1.259

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.952	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level

Lilliefors Test Statistic	0.245	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.362	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.932	Mean in Log Scale	-0.372
SD in Original Scale	0.906	SD in Log Scale	0.735
95% t UCL (assumes normality of ROS data)	1.235	95% Percentile Bootstrap UCL	1.252
95% BCA Bootstrap UCL	1.325	95% Bootstrap t UCL	1.424
95% H-UCL (Log ROS)	1.246		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.187	95% H-UCL (KM -Log)	1.473
KM SD (logged)	0.362	95% Critical H Value (KM-Log)	1.858
KM Standard Error of Mean (logged)	0.08		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.092	Mean in Log Scale	-0.0792
SD in Original Scale	0.827	SD in Log Scale	0.53
95% t UCL (Assumes normality)	1.369	95% H-Stat UCL	1.313

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.577	95% KM (Percentile Bootstrap) UCL	1.607

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C12 ALIPHATICS, ADJ.

General Statistics

Total Number of Observations	26	Number of Distinct Observations	12
		Number of Missing Observations	157
Number of Detects	4	Number of Non-Detects	22
Number of Distinct Detects	4	Number of Distinct Non-Detects	10
Minimum Detect	1.9	Minimum Non-Detect	1
Maximum Detect	4.3	Maximum Non-Detect	2.2
Variance Detects	1.3	Percent Non-Detects	84.62%
Mean Detects	2.6	SD Detects	1.14
Median Detects	2.1	CV Detects	0.439
Skewness Detects	1.93	Kurtosis Detects	3.753
Mean of Logged Detects	0.896	SD of Logged Detects	0.38

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.726	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.748	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.387	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.443	Detected Data appear Normal at 5% Significance Level	

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.253	Standard Error of Mean	0.159
SD	0.697	95% KM (BCA) UCL	N/A
95% KM (t) UCL	1.524	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	1.514	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	1.73	95% KM Chebyshev UCL	1.946
97.5% KM Chebyshev UCL	2.245	99% KM Chebyshev UCL	2.834

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.669	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.658	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.39	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.395	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	8.498	k star (bias corrected MLE)	2.291
Theta hat (MLE)	0.306	Theta star (bias corrected MLE)	1.135
nu hat (MLE)	67.98	nu star (bias corrected)	18.33
MLE Mean (bias corrected)	2.6	MLE Sd (bias corrected)	1.718

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	3.228	nu hat (KM)	167.8
Approximate Chi Square Value (167.84, α)	138.9	Adjusted Chi Square Value (167.84, β)	137.1
95% Gamma Approximate KM-UCL (use when n>=50)	1.514	95% Gamma Adjusted KM-UCL (use when n<50)	1.533

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.414
Maximum	4.3	Median	0.01
SD	1.029	CV	2.484
k hat (MLE)	0.26	k star (bias corrected MLE)	0.256
Theta hat (MLE)	1.592	Theta star (bias corrected MLE)	1.62
nu hat (MLE)	13.54	nu star (bias corrected)	13.31
MLE Mean (bias corrected)	0.414	MLE Sd (bias corrected)	0.819
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (13.31, α)	6.1	Adjusted Chi Square Value (13.31, β)	5.779
95% Gamma Approximate UCL (use when n>=50)	0.904	95% Gamma Adjusted UCL (use when n<50)	N/A

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.768	**Shapiro Wilk GOF Test**

5% Shapiro Wilk Critical Value	0.748	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.361	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.443	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.881	Mean in Log Scale	-0.402
SD in Original Scale	0.869	SD in Log Scale	0.686
95% t UCL (assumes normality of ROS data)	1.172	95% Percentile Bootstrap UCL	1.183
95% BCA Bootstrap UCL	1.289	95% Bootstrap t UCL	1.46
95% H-UCL (Log ROS)	1.135		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.142	95% H-UCL (KM -Log)	1.396
KM SD (logged)	0.351	95% Critical H Value (KM-Log)	1.85
KM Standard Error of Mean (logged)	0.0804		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1.027	Mean in Log Scale	-0.139
SD in Original Scale	0.807	SD in Log Scale	0.516
95% t UCL (Assumes normality)	1.297	95% H-Stat UCL	1.22

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.524	95% KM (Percentile Bootstrap) UCL	N/A

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C11-C22 AROMATICS, ADJ.

General Statistics

Total Number of Observations	26	Number of Distinct Observations	19
		Number of Missing Observations	157
Number of Detects	25	Number of Non-Detects	1
Number of Distinct Detects	18	Number of Distinct Non-Detects	1
Minimum Detect	63	Minimum Non-Detect	26
Maximum Detect	890	Maximum Non-Detect	26
Variance Detects	32017	Percent Non-Detects	3.846%
Mean Detects	226	SD Detects	178.9
Median Detects	170	CV Detects	0.792
Skewness Detects	2.473	Kurtosis Detects	7.517
Mean of Logged Detects	5.204	SD of Logged Detects	0.648

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.745	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.229	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	218.3	Standard Error of Mean	35.26
SD	176.2	95% KM (BCA) UCL	280.6
95% KM (t) UCL	278.5	95% KM (Percentile Bootstrap) UCL	280.6
95% KM (z) UCL	276.3	95% KM Bootstrap t UCL	318.3
90% KM Chebyshev UCL	324.1	95% KM Chebyshev UCL	372
97.5% KM Chebyshev UCL	438.5	99% KM Chebyshev UCL	569.1

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.515	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.754	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.139	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.176	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.459	k star (bias corrected MLE)	2.191
Theta hat (MLE)	91.91	Theta star (bias corrected MLE)	103.2
nu hat (MLE)	123	nu star (bias corrected)	109.5
MLE Mean (bias corrected)	226	MLE Sd (bias corrected)	152.7

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.536	nu hat (KM)	79.86
Approximate Chi Square Value (79.86, α)	60.27	Adjusted Chi Square Value (79.86, β)	59.14
95% Gamma Approximate KM-UCL (use when n>=50)	289.3	95% Gamma Adjusted KM-UCL (use when n<50)	294.8

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	217.3
Maximum	890	Median	170
SD	180.8	CV	0.832
k hat (MLE)	1.036	k star (bias corrected MLE)	0.942
Theta hat (MLE)	209.8	Theta star (bias corrected MLE)	230.7
nu hat (MLE)	53.87	nu star (bias corrected)	48.98
MLE Mean (bias corrected)	217.3	MLE Sd (bias corrected)	223.9
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (48.98, α)	33.92	Adjusted Chi Square Value (48.98, β)	33.09
95% Gamma Approximate UCL (use when n>=50)	313.8	95% Gamma Adjusted UCL (use when n<50)	321.7

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.97	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.103	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	218.7	Mean in Log Scale	5.141
SD in Original Scale	179.2	SD in Log Scale	0.71
95% t UCL (assumes normality of ROS data)	278.7	95% Percentile Bootstrap UCL	278.9
95% BCA Bootstrap UCL	293.4	95% Bootstrap t UCL	316.2
95% H-UCL (Log ROS)	299		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	5.129	95% H-UCL (KM -Log)	301.8
KM SD (logged)	0.727	95% Critical H Value (KM-Log)	2.181
KM Standard Error of Mean (logged)	0.145		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	217.8	Mean in Log Scale	5.102
SD in Original Scale	180.2	SD in Log Scale	0.819
95% t UCL (Assumes normality)	278.2	95% H-Stat UCL	334.5

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	280.6	95% GROS Adjusted Gamma UCL	321.7
95% Adjusted Gamma KM-UCL	294.8		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C19-C36 ALIPHATICS

General Statistics

Total Number of Observations	26	Number of Distinct Observations	22
		Number of Missing Observations	157
Number of Detects	25	Number of Non-Detects	1
Number of Distinct Detects	21	Number of Distinct Non-Detects	1
Minimum Detect	60	Minimum Non-Detect	26
Maximum Detect	560	Maximum Non-Detect	26
Variance Detects	16630	Percent Non-Detects	3.846%
Mean Detects	188.2	SD Detects	129
Median Detects	150	CV Detects	0.685

Skewness Detects	1.463	Kurtosis Detects	1.889
Mean of Logged Detects	5.04	SD of Logged Detects	0.631

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.849	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.196	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	181.9	Standard Error of Mean	25.57
SD	127.8	95% KM (BCA) UCL	225.6
95% KM (t) UCL	225.6	95% KM (Percentile Bootstrap) UCL	224.7
95% KM (z) UCL	224	95% KM Bootstrap t UCL	233
90% KM Chebyshev UCL	258.6	95% KM Chebyshev UCL	293.4
97.5% KM Chebyshev UCL	341.6	99% KM Chebyshev UCL	436.4

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.413	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.753	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.123	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.176	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.694	k star (bias corrected MLE)	2.397
Theta hat (MLE)	69.84	Theta star (bias corrected MLE)	78.48
nu hat (MLE)	134.7	nu star (bias corrected)	119.9
MLE Mean (bias corrected)	188.2	MLE Sd (bias corrected)	121.5

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	2.028	nu hat (KM)	105.4
Approximate Chi Square Value (105.43, α)	82.74	Adjusted Chi Square Value (105.43, β)	81.41
95% Gamma Approximate KM-UCL (use when n>=50)	231.8	95% Gamma Adjusted KM-UCL (use when n<50)	235.6

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	180.9
Maximum	560	Median	140
SD	131.6	CV	0.728
k hat (MLE)	1.082	k star (bias corrected MLE)	0.983
Theta hat (MLE)	167.2	Theta star (bias corrected MLE)	184.1
nu hat (MLE)	56.26	nu star (bias corrected)	51.1
MLE Mean (bias corrected)	180.9	MLE Sd (bias corrected)	182.5
		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (51.10, α)	35.69	Adjusted Chi Square Value (51.10, β)	34.84

95% Gamma Approximate UCL (use when n>=50)	259.1	95% Gamma Adjusted UCL (use when n<50)	265.4

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.966	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0879	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.177	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	182.1	Mean in Log Scale	4.979
SD in Original Scale	130	SD in Log Scale	0.692
95% t UCL (assumes normality of ROS data)	225.7	95% Percentile Bootstrap UCL	224.8
95% BCA Bootstrap UCL	230.6	95% Bootstrap t UCL	235.8
95% H-UCL (Log ROS)	248.6		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	4.972	95% H-UCL (KM -Log)	248
KM SD (logged)	0.696	95% Critical H Value (KM-Log)	2.149
KM Standard Error of Mean (logged)	0.139		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	181.4	Mean in Log Scale	4.945
SD in Original Scale	130.9	SD in Log Scale	0.786
95% t UCL (Assumes normality)	225.3	95% H-Stat UCL	272.5

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (BCA) UCL	225.6	95% GROS Adjusted Gamma UCL	265.4
95% Adjusted Gamma KM-UCL	235.6		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C18 ALIPHATICS

General Statistics

Total Number of Observations	26	Number of Distinct Observations	15
		Number of Missing Observations	157
Number of Detects	6	Number of Non-Detects	20
Number of Distinct Detects	6	Number of Distinct Non-Detects	12
Minimum Detect	31	Minimum Non-Detect	23
Maximum Detect	57	Maximum Non-Detect	42
Variance Detects	77.77	Percent Non-Detects	76.92%

Mean Detects	41.17	SD Detects	8.819
Median Detects	40	CV Detects	0.214
Skewness Detects	1.215	Kurtosis Detects	2.347
Mean of Logged Detects	3.7	SD of Logged Detects	0.204

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.915	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.251	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	28.2	Standard Error of Mean	2.086
SD	8.595	95% KM (BCA) UCL	33.74
95% KM (t) UCL	31.76	95% KM (Percentile Bootstrap) UCL	32.29
95% KM (z) UCL	31.63	95% KM Bootstrap t UCL	30.67
90% KM Chebyshev UCL	34.46	95% KM Chebyshev UCL	37.29
97.5% KM Chebyshev UCL	41.22	99% KM Chebyshev UCL	48.95

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.282	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.697	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.217	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.332	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	28.23	k star (bias corrected MLE)	14.23
Theta hat (MLE)	1.458	Theta star (bias corrected MLE)	2.893
nu hat (MLE)	338.8	nu star (bias corrected)	170.7
MLE Mean (bias corrected)	41.17	MLE Sd (bias corrected)	10.91

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	10.76	nu hat (KM)	559.8
Approximate Chi Square Value (559.76, α)	505.9	Adjusted Chi Square Value (559.76, β)	502.5
95% Gamma Approximate KM-UCL (use when n>=50)	31.2	95% Gamma Adjusted KM-UCL (use when n<50)	31.41

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	7.821	Mean	22.83
Maximum	57	Median	19.68
SD	11.82	CV	0.518
k hat (MLE)	4.575	k star (bias corrected MLE)	4.073
Theta hat (MLE)	4.99	Theta star (bias corrected MLE)	5.605
nu hat (MLE)	237.9	nu star (bias corrected)	211.8
MLE Mean (bias corrected)	22.83	MLE Sd (bias corrected)	11.31

		Adjusted Level of Significance (β)	0.0398
Approximate Chi Square Value (211.80, α)	179.1	Adjusted Chi Square Value (211.80, β)	177.1
95% Gamma Approximate UCL (use when n>=50)	27	95% Gamma Adjusted UCL (use when n<50)	27.3

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.959	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.215	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	26.52	Mean in Log Scale	3.228
SD in Original Scale	9.492	SD in Log Scale	0.305
95% t UCL (assumes normality of ROS data)	29.7	95% Percentile Bootstrap UCL	29.56
95% BCA Bootstrap UCL	30.14	95% Bootstrap t UCL	30.82
95% H-UCL (Log ROS)	29.55		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	3.302	95% H-UCL (KM -Log)	30.8
KM SD (logged)	0.257	95% Critical H Value (KM-Log)	1.79
KM Standard Error of Mean (logged)	0.0657		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	22.38	Mean in Log Scale	3.011
SD in Original Scale	11.45	SD in Log Scale	0.423
95% t UCL (Assumes normality)	26.22	95% H-Stat UCL	26.09

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	31.76	95% KM (Percentile Bootstrap) UCL	32.29

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

ATTACHMENT C
RISK CALCULATIONS

Attachment C, Table C1
Intake and Risk Equations - Single Age
Parking Soil Backfill - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		ELCR (Total)
Incidental Ingestion	Yes	7E-06
Dermal Contact	Yes	3E-06
Particulate Inhalation	Yes	6E-11
Ambient Vapor Inhalation	Yes	
		1E-05

NC - not carcinogenic by this exposure route
NTV - no toxicity value available
NV - not volatile
DAD - dermally absorbed dose
EC - exposure concentration
ABS - absorption factor
CSF - cancer slope factor
UR - cancer unit risk
ELCR - excess lifetime cancer risk
EPC - exposure point concentration
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations: $Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (ug/m^3)	EC_{vapor} (ug/m^3)	Absorption Factors: ABS_{ing} (unitless)	ABS_d (unitless)	Cancer Toxicity Values: CSF_{oral} $(mg/kg/day)^{-1}$	CSF_{dermal} $(mg/kg/day)^{-1}$	IUR $(ug/m^3)^{-1}$	$ELCR_{ingestion}$	$ELCR_{dermal}$	$ELCR_{particulate}$	$ELCR_{vapor}$	$ELCR_{total}$
Benz[a]anthracene	56-55-3	1.7E+00	5.3E-07	2.9E-07	3.8E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.9E-07	2.1E-07	4.2E-13	NV	6.0E-07
Benzo[a]pyrene	50-32-8	1.5E+00	4.5E-07	2.4E-07	3.2E-09	NV	1	0.13	7.3E+00	7.3E+00	1.1E-03	3.3E-06	1.8E-06	3.5E-12	NV	5.0E-06
Benzo[b]fluoranthene	205-99-2	1.9E+00	5.7E-07	3.1E-07	4.1E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	4.1E-07	2.2E-07	4.5E-13	NV	6.4E-07
Carbazole	86-74-8	4.4E-01	1.3E-07	5.6E-08	NC	NV	1	0.1	2.0E-02	2.0E-02		2.7E-09	1.1E-09		NV	3.8E-09
Dibenz[a,h]anthracene	53-70-3	2.7E-01	8.2E-08	4.5E-08	5.9E-10	NV	1	0.13	7.3E+00	7.3E+00	1.2E-03	6.0E-07	3.3E-07	7.1E-13	NV	9.3E-07
Indeno[1,2,3-cd]pyrene	193-39-5	7.0E-01	2.1E-07	1.2E-07	1.5E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	1.6E-07	8.4E-08	1.7E-13	NV	2.4E-07
Polychlorinated Biphenyls	1336-36-3	1.5E+00	4.7E-07	2.7E-07	3.4E-09	NV	1	0.14	2.0E+00	2.0E+00	5.7E-04	9.3E-07	5.4E-07	1.9E-12	NV	1.5E-06
Arsenic	7440-38-2	6.0E+00	1.1E-06	2.3E-07	1.3E-08	NV	0.6	0.03	1.5E+00	1.5E+00	4.3E-03	1.7E-06	3.4E-07	5.7E-11	NV	2.0E-06
Lead	7439-92-1	1.4E+02	NC	NC	NC	NV	1								NV	
Thallium	7440-28-0	7.9E+00	NC	NC	NC	NV	NC	NC							NV	

Attachment C, Table C2
Non-Cancer Risk Calculations
Parking Soil Backfill - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		HI (Total)
Incidental Ingestion	Yes	8E-02
Dermal Contact	Yes	4E-02
Particulate Inhalation	Yes	2E-06
Ambient Vapor Inhalation	Yes	
		0.1

NV - not volatile
NTV - no toxicity value available
EC - exposure concentration
DAD - dermally absorbed dose
RfD - reference dose
ABS - absorption factor
HI - hazard index
RfC - reference concentration
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations: $Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (mg/m^3)	EC_{vapor} (mg/m^3)	Absorption Factors: ABS_{ing} (unitless)	ABS_d (unitless)	Non-Cancer Toxicity Values: RfD_{oral} (mg/kg/day)	RfD_{dermal} (mg/kg/day)	RfC (mg/m^3)	$HQ_{ingestion}$	HQ_{dermal}	$HQ_{particulate}$	HQ_{vapor}	HQ_{total}
Benz[a]anthracene	56-55-3	1.7E+00	1.5E-06	8.0E-07	1.1E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[a]pyrene	50-32-8	1.5E+00	1.2E-06	6.8E-07	9.0E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[b]fluoranthene	205-99-2	1.9E+00	1.6E-06	8.6E-07	1.1E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Carbazole	86-74-8	4.4E-01	3.8E-07	1.6E-07	2.7E-12	NV	1	0.1				NTV	NTV	NTV	NV	
Dibenz[a,h]anthracene	53-70-3	2.7E-01	2.3E-07	1.2E-07	1.7E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Indeno[1,2,3-cd]pyrene	193-39-5	7.0E-01	6.0E-07	3.2E-07	4.3E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Polychlorinated Biphenyls	1336-36-3	1.5E+00	1.3E-06	7.6E-07	9.4E-12	NV	1	0.14	2.0E-05	2.0E-05		6.5E-02	3.8E-02	NTV	NV	1.0E-01
Arsenic	7440-38-2	6.0E+00	3.1E-06	6.4E-07	3.7E-11	NV	0.6	0.03	3.0E-04	3.0E-04	1.5E-05	1.0E-02	2.1E-03	2.5E-06	NV	1.2E-02
Lead	7439-92-1	1.4E+02	1.2E-04		8.4E-10	NV	1					NTV	NTV	NTV	NV	
Thallium	7440-28-0	7.9E+00	6.8E-06		4.9E-11	NV	1					NTV	NTV	NTV	NV	

Attachment C, Table C3
Intake and Risk Equations - Single Age

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Cancer Risk from Ingestion

$$ELCR = Intake_{ing} * CSF$$

$$Intake_{ing\ (age\ group\ x)} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW_x * AT_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR = DAD * CSF$$

$$DAD_{derm(age\ group\ x)} = \frac{DA_{Event} * SA * EV * EF * ED}{BW_x * AT_{lifetime}}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Cancer Risk from Inhalation

$$ELCR_{inh} = EC_{can} * IUR$$

$$EC_{can\ (age\ group\ x)} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED}{24 * AT_{lifetime}}$$

Noncancer Risk from Ingestion

$$HQ = \frac{Intake_{ing}}{RfD}$$

$$Intake_{ing} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW * AT}$$

Noncancer Risk from Dermal Absorption

$$HQ = \frac{DAD}{RfD}$$

$$DAD_{derm} = \frac{DA_{Event} * SA * EV * EF * ED}{BW * AT}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Noncancer Risk from Inhalation

$$HQ = \frac{EC_{nc}}{RfC}$$

$$EC_{nc} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED * C2 \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED * C2}{24 * AT}$$

Parameter	Value - Cancer	Value - Non-Cancer	Units
CSF	Chemical specific	--	$(mg/kg\text{-}day)^{-1}$
IUR	Chemical specific	--	$(ug/m^3)^{-1}$
Intake	Age/chemical specific	--	mg/kg-day
EC_{can}	Age/chemical specific	--	(ug/m^3)
ELCR	Age/chemical specific	--	unitless
RfD	--	Chemical specific	mg/kg-day
RfC	--	Chemical specific	(mg/m^3)
DAD	Age/chemical specific	Age/chemical specific	mg/kg-day
DA_{Event}	Age/chemical specific	Age/chemical specific	mg/cm^2-event
EC_{nc}	--	Age/chemical specific	mg/m^3
HQ	--	Age/chemical specific	unitless
$[EPC]_{soil}$	Chemical specific	Chemical specific	mg/kg
$[EPC]_{PART}$	Attachment C, TABLE A-4	Attachment C, TABLE A-4	ug/m^3
$[EPC]_{VAPOR}$	Attachment C, TABLE	Attachment C, TABLE	ug/m^3
ABS_{ing}	Chemical specific	Chemical specific	unitless
ABS_d	Chemical specific	Chemical specific	unitless
BW	80	80	kg
EF	250	250	day/year
ED	25	25	year
AT	--	9125	day
ATlifetime	25550	--	day
IR	100	100	mg/day
FI	1	1	unitless
C1	0.000001	0.000001	kg/mg
SA	3470	3470	cm2
AF	0.12	0.12	mg/cm2
EV	1	1	event/day
ETPart	8	8	hours/day
C2	0.001	0.001	mg/ug
ETVap	8	8	hours/day

Attachment C, Table C4
Particulate to Outdoor Air EPC Calculations
Parking Soil Backfill - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$$EPC_{[PARTICULATE]} = EPC_{[SOIL]} \times PARTICULATE_{[AIR]} \times 1E\text{-}06 \text{ [kg/mg]}$$

where:

$$PARTICULATE_{[AIR]} = (1/PEF * 1E{+}09 \text{ ug/kg}) \text{ or Measured/Modelled}$$

and:

$$PEF\ (m^3/kg) = Q/C \times [(3600\ s/hr) / ((0.036 \times (1\text{-}V) \times (U_m/U_t)^3 \times F(x))]$$

PARAMETER/DEFINITION	UNITS	DEFAULT	Source
$PARTICULATE_{[Air]}$ / Particulate concentration in air	ug/m^3	0.02698	Calculated or measured
Measured or modeled $PARTICULATE_{[AIR]}$	ug/m^3		Measured value
PEF / Particulate emission factor	m^3/kg		Guidance value
PEF / Particulate emission factor	m^3/kg	3.71E+10	Calculated here
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	Calculated / USEPA, 2014 [a]
V / Fraction of vegetative cover	unitless	0.9	Site-specific, estimated
U_m / mean annual windspeed	m/s	3.84	Site-specific / USEPA, 2014
U_t / equivalent threshold value of wind speed at 7 m	m/s	11.32	USEPA, 2014
F(x) / function dependant on U_m/U_t derived using Cowherd et al. (1985)	unitless	3.45E-02	Calculated / USEPA, 2014

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT; Existing ground surface is largely paved. [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	EPC Soil (mg/kg)	EPC Particulate (ug/m^3)
56-55-3	Benz[a]anthracene	1.731	4.7E-08
50-32-8	Benzo[a]pyrene	1.459	3.9E-08
205-99-2	Benzo[b]fluoranthene	1.851	5.0E-08
86-74-8	Carbazole	0.441	1.2E-08
53-70-3	Dibenz[a,h]anthracene	0.269	7.3E-09
193-39-5	Indeno[1,2,3-cd]pyrene	0.695	1.9E-08
1336-36-3	Polychlorinated Biphenyls	1.528	4.1E-08
7440-38-2	Arsenic	6.017	1.6E-07
7439-92-1	Lead	137	3.7E-06
7440-28-0	Thallium	7.9	2.1E-07

Attachment C, Table C5
Vapor to Outdoor Air EPC Calculations
Parking Soil Backfill - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[VAPOR]} = EPC_{[SOIL]} \times 1/VF \times 1000$ ug/mg

where:

$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$

and:

$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

ARAMETER/DEFINITION	UNITS	DEFAULT	Source
VF / volatilization factor	m^3/kg	Calculated	
D_A / apparent diffusivity	cm^2/s	Calculated	
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	USEPA, 2014 [a]
T / exposure interval	s	7.88E+08	Commercial/Industrial
Π_b / dry soil bulk density	g/cm^3	1.5	USEPA, 2014
O_a / air-filled soil porosity	L_{air}/L_{soil}	0.28	USEPA, 2014
n / total soil porosity	L_{pore}/L_{soil}	0.43	USEPA, 2014
O_w / water-filled soil porosity	L_{water}/L_{soil}	0.15	USEPA, 2014
Ψ_s / soil particle density	g/cm^3	2.65	USEPA, 1996
D_i / diffusivity in air	cm^2/s	chemical-specific	
H' / Henry's Law constant	dimensionless	chemical-specific	
D_w / diffusivity in water	cm^2/s	chemical-specific	
K_d / soil-water partition coefficient (Koc x foc) organics	cm^3/g	chemical-specific	
K_{oc} / soil organic carbon partition coefficient	cm^3/g	chemical-specific	
f_{oc} / fraction organic carbon in soil	g/g	0.006	Default

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	Volatile (Y/N)	D_i (cm^2/s)	H' (unitless)	D_w (cm^2/s)	K_d (cm^3/g)	K_{oc} (cm^3/g)	D_A (cm^2/s)	VF (m^3/kg)	EPC Soil (mg/kg)	EPC Vapor (ug/m^3)
56-55-3	Benz[a]anthracene	N	5.09E-02	4.91E-04	5.94E-06	1.06E+03	1.77E+05				NV
50-32-8	Benzo[a]pyrene	N	4.76E-02	1.87E-05	5.56E-06	3.52E+03	5.87E+05				NV
205-99-2	Benzo[b]fluoranthene	N	4.76E-02	2.69E-05	5.56E-06	3.60E+03	5.99E+05				NV
86-74-8	Carbazole	N	4.40E-02	3.93E-03	7.89E-06	5.50E+01	9.16E+03				NV
53-70-3	Dibenz[a,h]anthracene	N	4.46E-02	5.76E-06	5.21E-06	1.15E+04	1.91E+06				NV
193-39-5	Indeno[1,2,3-cd]pyrene	N	4.48E-02	6.56E-05	5.23E-06	2.08E+04	3.47E+06				NV
1336-36-3	Polychlorinated Biphenyls	N	4.32E-02	7.77E-03	5.04E-06	4.69E+02	7.81E+04				NV
7440-38-2	Arsenic	N									NV
7439-92-1	Lead	N									NV
7440-28-0	Thallium	N									NV

Attachment C, Table C6
Intake and Risk Equations - Composite Receptor/Age-Adjusted
Parking Soil Backfill - Surface Soil
BCEC Visitor - Child, Adolescent, and Adult (Ages 1 - 31)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		ELCR (Total)
Incidental Ingestion	Yes	7E-06
Dermal Contact	Yes	2E-06
Particulate Inhalation	Yes	4E-12
Ambient Vapor Inhalation	Yes	
		9E-06

NC - not carcinogenic by this exposure route
NTV - no toxicity value available
NV - not volatile
DAD - dermally absorbed dose
EC - exposure concentration
ABS - absorption factor
CSF - cancer slope factor
UR - cancer unit risk
ELCR - excess lifetime cancer risk
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Cancer Toxicity Values			ELCR				
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (ug/m^3)	EC_{vapor} (ug/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	CSF_{oral} $(mg/kg/day)^{-1}$	CSF_{dermal} $(mg/kg/day)^{-1}$	IUR $(ug/m^3)^{-1}$	$ELCR_{ingestion}$	$ELCR_{dermal}$	$ELCR_{particulate}$	$ELCR_{vapor}$	$ELCR_{total}$
Benz[a]anthracene	56-55-3	1.7E+00	4.7E-07	1.9E-07	2.4E-10	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.4E-07	1.4E-07	2.6E-14	NV	4.8E-07
Benzo[a]pyrene	50-32-8	1.5E+00	3.9E-07	1.6E-07	2.0E-10	NV	1	0.13	7.3E+00	7.3E+00	1.1E-03	2.9E-06	1.2E-06	2.2E-13	NV	4.1E-06
Benzo[b]fluoranthene	205-99-2	1.9E+00	5.0E-07	2.0E-07	2.5E-10	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.7E-07	1.5E-07	2.8E-14	NV	5.1E-07
Carbazole	86-74-8	4.4E-01	1.2E-07	3.7E-08	NC	NV	1	0.1	2.0E-02	2.0E-02		2.4E-09	7.5E-10		NV	3.1E-09
Dibenz[a,h]anthracene	53-70-3	2.7E-01	7.3E-08	3.0E-08	3.7E-11	NV	1	0.13	7.3E+00	7.3E+00	1.2E-03	5.3E-07	2.2E-07	4.4E-14	NV	7.5E-07
Indeno[1,2,3-cd]pyrene	193-39-5	7.0E-01	1.9E-07	7.6E-08	9.5E-11	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	1.4E-07	5.6E-08	1.0E-14	NV	1.9E-07
Polychlorinated Biphenyls	1336-36-3	1.5E+00	4.1E-07	1.8E-07	2.1E-10	NV	1	0.14	2.0E+00	2.0E+00	5.7E-04	8.3E-07	3.6E-07	1.2E-13	NV	1.2E-06
Arsenic	7440-38-2	6.0E+00	9.8E-07	1.5E-07	8.3E-10	NV	0.6	0.03	1.5E+00	1.5E+00	4.3E-03	1.5E-06	2.3E-07	3.6E-12	NV	1.7E-06
Lead	7439-92-1	1.4E+02	NC	NC	NC	NV	1								NV	
Thallium	7440-28-0	7.9E+00	NC	NC	NC	NV	NC	NC							NV	

Attachment C, Table C7
Non-Cancer Risk Calculations
Parking Soil Backfill - Surface Soil
BCEC Visitor - Child (Age 0-<6)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		HI (Total)
Incidental Ingestion	Yes	2E-01
Dermal Contact	Yes	7E-02
Particulate Inhalation	Yes	1E-07
Ambient Vapor Inhalation	Yes	
		0.3

NV - not volatile
NTV - no toxicity value available
EC - exposure concentration
DAD - dermally absorbed dose
RfD - reference dose
ABS - absorption factor
HI - hazard index
RfC - reference concentration
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations: $Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (mg/m^3)	EC_{vapor} (mg/m^3)	Absorption Factors: ABS_{ing} (unitless)	ABS_d (unitless)	Non-Cancer Toxicity Values: RfD_{oral} (mg/kg/day)	RfD_{dermal} (mg/kg/day)	RfC (mg/m^3)	$HQ_{ingestion}$	HQ_{dermal}	$HQ_{particulate}$	HQ_{vapor}	HQ_{total}
Benz[a]anthracene	56-55-3	1.7E+00	3.8E-06	1.3E-06	6.4E-13	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[a]pyrene	50-32-8	1.5E+00	3.2E-06	1.1E-06	5.4E-13	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[b]fluoranthene	205-99-2	1.9E+00	4.1E-06	1.4E-06	6.8E-13	NV	1	0.13				NTV	NTV	NTV	NV	
Carbazole	86-74-8	4.4E-01	9.7E-07	2.6E-07	1.6E-13	NV	1	0.1				NTV	NTV	NTV	NV	
Dibenz[a,h]anthracene	53-70-3	2.7E-01	5.9E-07	2.1E-07	9.9E-14	NV	1	0.13				NTV	NTV	NTV	NV	
Indeno[1,2,3-cd]pyrene	193-39-5	7.0E-01	1.5E-06	5.3E-07	2.6E-13	NV	1	0.13				NTV	NTV	NTV	NV	
Polychlorinated Biphenyls	1336-36-3	1.5E+00	3.3E-06	1.3E-06	5.6E-13	NV	1	0.14	2.0E-05	2.0E-05		1.7E-01	6.3E-02	NTV	NV	2.3E-01
Arsenic	7440-38-2	6.0E+00	7.9E-06	1.1E-06	2.2E-12	NV	0.6	0.03	3.0E-04	3.0E-04	1.5E-05	2.6E-02	3.5E-03	1.5E-07	NV	3.0E-02
Lead	7439-92-1	1.4E+02	3.0E-04		5.1E-11	NV	1					NTV	NTV	NTV	NV	
Thallium	7440-28-0	7.9E+00	1.7E-05		2.9E-12	NV	1					NTV	NTV	NTV	NV	

Attachment C, Table C8
Intake and Risk Equations - Composite Receptor/Age-Adjusted

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Cancer Risk from Ingestion

$$ELCR = Intake_{ing} * CSF$$

$$Intake_{ing\ (age\ group\ x)} = \frac{[EPC]_{soil} * IFSadj * ABS_{ING} * FI * EF * C1}{AT_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR = DAD * CSF$$

$$DAD_{derm(age\ group\ x)} = \frac{DA_{Event} * SA * EV * EF}{AT_{lifetime}}$$

$$DA_{Event} = [EPC]_{soil} * DFSadj * C1$$

Cancer Risk from Inhalation

$$ELCR_{inh} = EC_{can} * IUR$$

$$EC_{can\ (age\ group\ x)} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED}{24 * AT_{lifetime}}$$

Noncancer Risk from Ingestion

$$HQ = \frac{Intake_{ing}}{RfD}$$

$$Intake_{ing} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW * AT}$$

Noncancer Risk from Dermal Absorption

$$HQ = \frac{DAD}{RfD}$$

$$DAD_{derm} = \frac{DA_{Event} * SA * EV * EF * ED}{BW * AT}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Noncancer Risk from Inhalation

$$HQ = \frac{EC_{nc}}{RfC}$$

$$EC_{nc} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED * C2 \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED * C2}{24 * AT}$$

Parameter	Value - Cancer	Value - Non-Cancer	Units
CSF	Chemical specific	--	$(mg/kg\text{-}day)^{-1}$
IUR	Chemical specific	--	$(ug/m^3)^{-1}$
Intake	Age/chemical specific	--	mg/kg-day
EC_{can}	Age/chemical specific	--	(ug/m^3)
ELCR	Age/chemical specific	--	unitless
RfD	--	Chemical specific	mg/kg-day
RfC	--	Chemical specific	(mg/m^3)
DAD	Age/chemical specific	Age/chemical specific	mg/kg-day
DA_{Event}	Age/chemical specific	Age/chemical specific	mg/cm^2-event
EC_{nc}	--	Age/chemical specific	mg/m^3
HQ	--	Age/chemical specific	unitless
$[EPC]_{soil}$	Chemical specific	Chemical specific	mg/kg
$[EPC]_{PART}$	Attachment C, TABLE C9	Attachment C, TABLE C9	ug/m^3
$[EPC]_{VAPOR}$	Attachment C, TABLE C10	Attachment C, TABLE C10	ug/m^3
ABS_{ing}	Chemical specific	Chemical specific	unitless
ABS_d	Chemical specific	Chemical specific	unitless
BW	NA	15	kg
EF	60	60	day/year
ED	26	6	year
AT	--	2190	day
ATlifetime	25550	--	day
IFSadj	115	--	mg-yr/kg-day
IR	NA	200	mg/day
FI	1	1	unitless
C1	0.000001	0.000001	kg/mg
SA	NA	2690	cm2
AF	NA	0.2	mg/cm2
EV	1	1	event/day
DFSadj	360	NA	mg-yr/kg-day
ETPart	2.00	2.0	hours/day
C2	0.001	0.001	mg/ug
ETVap	2	2	ug/mg

Attachment C, Table C9
Particulate to Outdoor Air EPC Calculations
Parking Soil Backfill - Surface Soil
BCEC Visitor - Child, Adolescent, and Adult (Ages 1 - 31)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$$EPC_{[PARTICULATE]} = EPC_{[SOIL]} \times PARTICULATE_{[AIR]} \times 1E\text{-}06\ [kg/mg]$$

where:

$$PARTICULATE_{[AIR]} = (1/PEF * 1E{+}09\ ug/kg)\ \text{or Measured/Modelled}$$

and:

$$PEF\ (m^3/kg) = Q/C \times [(3600\ s/hr) / ((0.036 \times (1\text{-}V) \times (U_m/U_t)^3 \times F(x))]$$

PARAMETER/DEFINITION	UNITS	DEFAULT	Source
$PARTICULATE_{[Air]}$ / Particulate concentration in air	ug/m^3	0.02698	Calculated or measured
Measured or modeled $PARTICULATE_{[AIR]}$	ug/m^3		Measured value
PEF / Particulate emission factor	m^3/kg		Guidance value
PEF / Particulate emission factor	m^3/kg	3.71E+10	Calculated here
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	Calculated / USEPA, 2014 [a]
V / Fraction of vegetative cover	unitless	0.9	Site-specific, estimated
U_m / mean annual windspeed	m/s	3.84	Site-specific / USEPA, 2014
U_t / equivalent threshold value of wind speed at 7 m	m/s	11.32	USEPA, 2014
F(x) / function dependant on U_m/U_t derived using Cowherd et al. (1985)	unitless	3.45E-02	Calculated / USEPA, 2014

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT; Existing ground surface is largely paved. [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	EPC Soil (mg/kg)	EPC Particulate (ug/m^3)
56-55-3	Benz[a]anthracene	1.731	4.7E-08
50-32-8	Benzo[a]pyrene	1.459	3.9E-08
205-99-2	Benzo[b]fluoranthene	1.851	5.0E-08
86-74-8	Carbazole	0.441	1.2E-08
53-70-3	Dibenz[a,h]anthracene	0.269	7.3E-09
193-39-5	Indeno[1,2,3-cd]pyrene	0.695	1.9E-08
1336-36-3	Polychlorinated Biphenyls	1.528	4.1E-08
7440-38-2	Arsenic	6.017	1.6E-07
7439-92-1	Lead	137	3.7E-06
7440-28-0	Thallium	7.9	2.1E-07

Attachment C, Table C10
Vapor to Outdoor Air EPC Calculations
Parking Soil Backfill - Surface Soil
BCEC Visitor - Child, Adolescent, and Adult (Ages 1 - 31)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[VAPOR]} = EPC_{[SOIL]} \times 1/VF \times 1000$ ug/mg

where:

$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$

and:

$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

ARAMETER/DEFINITION	UNITS	DEFAULT	Source
VF / volatilization factor	m^3/kg	Calculated	
D_A / apparent diffusivity	cm^2/s	Calculated	
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	USEPA, 2014 [a]
T / exposure interval	s	8.20E+08	BCEC Visitor
Π_b / dry soil bulk density	g/cm^3	1.5	USEPA, 2014
O_a / air-filled soil porosity	L_{air}/L_{soil}	0.28	USEPA, 2014
n / total soil porosity	L_{pore}/L_{soil}	0.43	USEPA, 2014
O_w / water-filled soil porosity	L_{water}/L_{soil}	0.15	USEPA, 2014
Ψ_s / soil particle density	g/cm^3	2.65	USEPA, 1996
D_i / diffusivity in air	cm^2/s	chemical-specific	
H' / Henry's Law constant	dimensionless	chemical-specific	
D_w / diffusivity in water	cm^2/s	chemical-specific	
K_d / soil-water partition coefficient (Koc x foc) organics	cm^3/g	chemical-specific	
K_{oc} / soil organic carbon partition coefficient	cm^3/g	chemical-specific	
f_{oc} / fraction organic carbon in soil	g/g	0.006	Default

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT [a] Area of Source: Specific to size of Exposure Area

CASRN	COPC	Volatile (Y/N)	D_i (cm^2/s)	H' (unitless)	D_w (cm^2/s)	K_d (cm^3/g)	K_{oc} (cm^3/g)	D_A (cm^2/s)	VF (m^3/kg)	EPC Soil (mg/kg)	EPC Vapor (ug/m^3)
56-55-3	Benz[a]anthracene	N	5.09E-02	4.91E-04	5.94E-06	1.06E+03	1.77E+05				NV
50-32-8	Benzo[a]pyrene	N	4.76E-02	1.87E-05	5.56E-06	3.52E+03	5.87E+05				NV
205-99-2	Benzo[b]fluoranthene	N	4.76E-02	2.69E-05	5.56E-06	3.60E+03	5.99E+05				NV
86-74-8	Carbazole	N	4.40E-02	3.93E-03	7.89E-06	5.50E+01	9.16E+03				NV
53-70-3	Dibenz[a,h]anthracene	N	4.46E-02	5.76E-06	5.21E-06	1.15E+04	1.91E+06				NV
193-39-5	Indeno[1,2,3-cd]pyrene	N	4.48E-02	6.56E-05	5.23E-06	2.08E+04	3.47E+06				NV
1336-36-3	Polychlorinated Biphenyls	N	4.32E-02	7.77E-03	5.04E-06	4.69E+02	7.81E+04				NV
7440-38-2	Arsenic	N									NV
7439-92-1	Lead	N									NV
7440-28-0	Thallium	N									NV

Attachment C, Table C11
Intake and Risk Equations - Composite Receptor/Age-Adjusted
TSCA Site (0-2 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		ELCR (Total)
Incidental Ingestion	Yes	1E-06
Dermal Contact	Yes	5E-07
Particulate Inhalation	Yes	2E-11
Ambient Vapor Inhalation	Yes	
		2E-06

NC - not carcinogenic by this exposure route
NTV - no toxicity value available
NV - not volatile
DAD - dermally absorbed dose
EC - exposure concentration
ABS - absorption factor
CSF - cancer slope factor
UR - cancer unit risk
ELCR - excess lifetime cancer risk
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Cancer Toxicity Values			ELCR				
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (ug/m^3)	EC_{vapor} (ug/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	CSF_{oral} $(mg/kg/day)^{-1}$	CSF_{dermal} $(mg/kg/day)^{-1}$	IUR $(ug/m^3)^{-1}$	$ELCR_{ingestion}$	$ELCR_{dermal}$	$ELCR_{particulate}$	$ELCR_{vapor}$	$ELCR_{total}$
Cymene (p-Isopropyltoluene)	99-87-6	1.4E-03	NC	NC	NC	NC										
Benz[a]anthracene	56-55-3	1.5E+00	6.1E-08	2.5E-08	1.2E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	4.5E-08	1.8E-08	1.3E-13	NV	6.3E-08
Benzo[a]pyrene	50-32-8	1.4E+00	5.5E-08	2.3E-08	1.1E-09	NV	1	0.13	7.3E+00	7.3E+00	1.1E-03	4.0E-07	1.7E-07	1.2E-12	NV	5.7E-07
Benzo[b]fluoranthene	205-99-2	1.7E+00	7.0E-08	2.9E-08	1.4E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	5.1E-08	2.1E-08	1.5E-13	NV	7.2E-08
Carbazole	86-74-8	4.3E-01	1.7E-08	5.5E-09	NC	NV	1	0.1	2.0E-02	2.0E-02		3.5E-10	1.1E-10		NV	4.6E-10
Dibenz[a,h]anthracene	53-70-3	2.5E-01	1.0E-08	4.1E-09	2.0E-10	NV	1	0.13	7.3E+00	7.3E+00	1.2E-03	7.3E-08	3.0E-08	2.4E-13	NV	1.0E-07
Indeno[1,2,3-cd]pyrene	193-39-5	6.9E-01	2.8E-08	1.1E-08	5.4E-10	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	2.0E-08	8.3E-09	6.0E-14	NV	2.8E-08
Polychlorinated Biphenyls	1336-36-3	6.6E+00	2.6E-07	1.2E-07	5.2E-09	NV	1	0.14	2.0E+00	2.0E+00	5.7E-04	5.3E-07	2.3E-07	3.0E-12	NV	7.6E-07
Arsenic	7440-38-2	5.9E+00	1.4E-07	2.2E-08	4.7E-09	NV	0.6	0.03	1.5E+00	1.5E+00	4.3E-03	2.1E-07	3.4E-08	2.0E-11	NV	2.5E-07
Lead	7439-92-1	4.6E+02	NC	NC	NC	NV	1								NV	
Thallium	7440-28-0	7.9E+00	NC	NC	NC	NV	NC	NC							NV	

Attachment C, Table C12
Non-Cancer Risk Calculations
TSCA Site (0-2 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		HI (Total)
Incidental Ingestion	Yes	7E-01
Dermal Contact	Yes	3E-01
Particulate Inhalation	Yes	2E-05
Ambient Vapor Inhalation	Yes	
		0.9

NV - not volatile
NTV - no toxicity value available
EC - exposure concentration
DAD - dermally absorbed dose
RfD - reference dose
ABS - absorption factor
HI - hazard index
RfC - reference concentration
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Non-Cancer Toxicity Values			$HQ_{ingestion}$	HQ_{dermal}	$HQ_{particulate}$	HQ_{vapor}	HQ_{total}
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (mg/m^3)	EC_{vapor} (mg/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	RfD_{oral} (mg/kg/day)	RfD_{dermal} (mg/kg/day)	RfC (mg/m^3)					
Cymene (p-Isopropyltoluene)	99-87-6	1.4E-03			7.5E-14	3.4E-07						NTV	NTV	NTV	NTV	
Benz[a]anthracene	56-55-3	1.5E+00	4.3E-06	1.8E-06	8.5E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[a]pyrene	50-32-8	1.4E+00	3.9E-06	1.6E-06	7.6E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[b]fluoranthene	205-99-2	1.7E+00	4.9E-06	2.0E-06	9.6E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Carbazole	86-74-8	4.3E-01	1.2E-06	3.8E-07	2.4E-11	NV	1	0.1				NTV	NTV	NTV	NV	
Dibenz[a,h]anthracene	53-70-3	2.5E-01	7.0E-07	2.9E-07	1.4E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Indeno[1,2,3-cd]pyrene	193-39-5	6.9E-01	1.9E-06	7.9E-07	3.8E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Polychlorinated Biphenyls	1336-36-3	6.6E+00	1.9E-05	8.2E-06	3.6E-10	NV	1	0.14	3.0E-05	3.0E-05		6.2E-01	2.7E-01	NTV	NV	8.9E-01
Arsenic	7440-38-2	5.9E+00	1.0E-05	1.6E-06	3.3E-10	NV	0.6	0.03	3.0E-04	3.0E-04	1.5E-05	3.3E-02	5.2E-03	2.2E-05	NV	3.9E-02
Lead	7439-92-1	4.6E+02	1.3E-03		2.6E-08	NV	1					NTV	NTV	NTV	NV	
Thallium	7440-28-0	7.9E+00	2.2E-05		4.4E-10	NV	1					NTV	NTV	NTV	NV	

Attachment C, Table C13
Intake and Risk Equations - Composite Receptor/Age-Adjusted

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Cancer Risk from Ingestion

$$ELCR = Intake_{ing} * CSF$$

$$Intake_{ing\ (age\ group\ x)} = \frac{[EPC]_{soil} * IFSadj * ABS_{ING} * FI * EF * C1}{AT_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR = DAD * CSF$$

$$DAD_{derm(age\ group\ x)} = \frac{DA_{Event} * SA * EV * EF}{AT_{lifetime}}$$

$$DA_{Event} = [EPC]_{soil} * DFSadj * C1$$

Cancer Risk from Inhalation

$$ELCR_{inh} = EC_{can} * IUR$$

$$EC_{can\ (age\ group\ x)} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED}{24 * AT_{lifetime}}$$

Noncancer Risk from Ingestion

$$HQ = \frac{Intake_{ing}}{RfD}$$

$$Intake_{ing} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW * AT}$$

Noncancer Risk from Dermal Absorption

$$HQ = \frac{DAD}{RfD}$$

$$DAD_{derm} = \frac{DA_{Event} * SA * EV * EF * ED}{BW * AT}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Noncancer Risk from Inhalation

$$HQ = \frac{EC_{nc}}{RfC}$$

$$EC_{nc} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED * C2 \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED * C2}{24 * AT}$$

Parameter	Value - Cancer	Value - Non-Cancer	Units
CSF	Chemical specific	--	$(mg/kg\text{-}day)^{-1}$
IUR	Chemical specific	--	$(ug/m^3)^{-1}$
Intake	Age/chemical specific	--	mg/kg-day
EC_{can}	Age/chemical specific	--	(ug/m^3)
ELCR	Age/chemical specific	--	unitless
RfD	--	Chemical specific	mg/kg-day
RfC	--	Chemical specific	(mg/m^3)
DAD	Age/chemical specific	Age/chemical specific	mg/kg-day
DA_{Event}	Age/chemical specific	Age/chemical specific	mg/cm^2-event
EC_{nc}	--	Age/chemical specific	mg/m^3
HQ	--	Age/chemical specific	unitless
$[EPC]_{soil}$	Chemical specific	Chemical specific	mg/kg
$[EPC]_{PART}$	Attachment C, TABLE C14	Attachment C, TABLE C14	ug/m^3
$[EPC]_{VAPOR}$	Attachment C, TABLE C15	Attachment C, TABLE C15	ug/m^3
ABS_{ing}	Chemical specific	Chemical specific	unitless
ABS_d	Chemical specific	Chemical specific	unitless
BW	80	80	kg
EF	250	250	day/year
ED	1	1	year
AT	--	365	day
ATlifetime	25550	--	day
IFSadj	4	--	mg-yr/kg-day
IR	330	330	mg/day
FI	1	1	unitless
C1	0.000001	0.000001	kg/mg
SA	3470	3470	cm2
AF	0.3	0.3	mg/cm2
EV	1	1	event/day
DFSadj	13	13	mg-yr/kg-day
ETPart	8.00	8.0	hours/day
C2	0.001	0.001	mg/ug
ETVap	8	8	ug/mg

Attachment C, Table C14
Particulate to Outdoor Air EPC Calculations
TSCA Site (0-2 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$\mathbf{EPC_{[PARTICULATE]} = EPC_{[SOIL]} \times PARTICULATE_{[AIR]} \times 1E\text{-}06\ [kg/mg]}$

where:
$\mathbf{PARTICULATE_{[AIR]} = (1/PEF * 1E{+}09\ ug/kg)}$ **or Measured/Modelled**
and:
$\mathbf{PEF\ (m^3/kg) = Q/C \times [(3600\ s/hr) / ((0.036 \times (1\text{-}V) \times (U_m/U_t)^3 \times F(x))]}$

PARAMETER/DEFINITION	UNITS	DEFAULT	Source
$PARTICULATE_{[Air]}$ / Particulate concentration in air	ug/m^3	0.24280	Calculated or measured
Measured or modeled $PARTICULATE_{[AIR]}$	ug/m^3		Measured value
PEF / Particulate emission factor	m^3/kg		Guidance value
PEF / Particulate emission factor	m^3/kg	4.12E+09	Calculated here
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	Calculated / USEPA, 2014 [a]
V / Fraction of vegetative cover	unitless	0.1	Site-specific, estimated
U_m / mean annual windspeed	m/s	3.84	Site-specific / USEPA, 2014
U_t / equivalent threshold value of wind speed at 7 m	m/s	11.32	USEPA, 2014
F(x) / function dependant on U_m/U_t derived using Cowherd et al. (1985)	unitless	3.45E-02	Calculated / USEPA, 2014

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT; Assumes no pavement and exposed soil. [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	EPC Soil (mg/kg)	EPC Particulate (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	0.00135	3.3E-10
56-55-3	Benz[a]anthracene	1.53	3.7E-07
50-32-8	Benzo[a]pyrene	1.369	3.3E-07
205-99-2	Benzo[b]fluoranthene	1.735	4.2E-07
86-74-8	Carbazole	0.431	1.0E-07
53-70-3	Dibenz[a,h]anthracene	0.249	6.0E-08
193-39-5	Indeno[1,2,3-cd]pyrene	0.686	1.7E-07
1336-36-3	Polychlorinated Biphenyls	6.561	1.6E-06
7440-38-2	Arsenic	5.888	1.4E-06
7439-92-1	Lead	460.5	1.1E-04
7440-28-0	Thallium	7.9	1.9E-06

Attachment C, Table C15
Vapor to Outdoor Air EPC Calculations
TSCA Site (0-2 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[VAPOR]} = EPC_{[SOIL]} \times 1/VF \times 1000$ ug/mg

where:

$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$

and:

$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

ARAMETER/DEFINITION	UNITS	DEFAULT	Source
VF / volatilization factor	m^3/kg	Calculated	
D_A / apparent diffusivity	cm^2/s	Calculated	
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	USEPA, 2014 [a]
T / exposure interval	s	3.15E+07	CONSTRUCTION
Π_b / dry soil bulk density	g/cm^3	1.5	USEPA, 2014
O_a / air-filled soil porosity	L_{air}/L_{soil}	0.28	USEPA, 2014
n / total soil porosity	L_{pore}/L_{soil}	0.43	USEPA, 2014
O_w / water-filled soil porosity	L_{water}/L_{soil}	0.15	USEPA, 2014
Ψ_s / soil particle density	g/cm^3	2.65	USEPA, 1996
D_i / diffusivity in air	cm^2/s	chemical-specific	
H' / Henry's Law constant	dimensionless	chemical-specific	
D_w / diffusivity in water	cm^2/s	chemical-specific	
K_d / soil-water partition coefficient (Koc x foc) organics	cm^3/g	chemical-specific	
K_{oc} / soil organic carbon partition coefficient	cm^3/g	chemical-specific	
f_{oc} / fraction organic carbon in soil	g/g	0.006	Default

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Phoenix Arizona [a] Area of Source: Specific to size of Exposure Area

CASRN	COPC	Volatile (Y/N)	D_i (cm^2/s)	H' (unitless)	D_w (cm^2/s)	K_d (cm^3/g)	K_{oc} (cm^3/g)	D_A (cm^2/s)	VF (m^3/kg)	EPC Soil (mg/kg)	EPC Vapor (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	Y	6.00E-02	4.70E-01	7.90E-06	4.20E+00	7.00E+02	3.3E-04	908	0.00135	1.5E-03
56-55-3	Benz[a]anthracene	N	5.09E-02	4.91E-04	5.94E-06	1.06E+03	1.77E+05				NV
50-32-8	Benzo[a]pyrene	N	4.76E-02	1.87E-05	5.56E-06	3.52E+03	5.87E+05				NV
205-99-2	Benzo[b]fluoranthene	N	4.76E-02	2.69E-05	5.56E-06	3.60E+03	5.99E+05				NV
86-74-8	Carbazole	N	4.40E-02	3.93E-03	7.89E-06	5.50E+01	9.16E+03				NV
53-70-3	Dibenz[a,h]anthracene	N	4.46E-02	5.76E-06	5.21E-06	1.15E+04	1.91E+06				NV
193-39-5	Indeno[1,2,3-cd]pyrene	N	4.48E-02	6.56E-05	5.23E-06	2.08E+04	3.47E+06				NV
1336-36-3	Polychlorinated Biphenyls	N	4.32E-02	7.77E-03	5.04E-06	4.69E+02	7.81E+04				NV
7440-38-2	Arsenic	N									NV
7439-92-1	Lead	N									NV
7440-28-0	Thallium	N									NV

Attachment C, Table C16
Intake and Risk Equations - Composite Receptor/Age-Adjusted
TSCA Site (0-2 ft) - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		ELCR (Total)
Incidental Ingestion	Yes	1E-05
Dermal Contact	Yes	5E-06
Particulate Inhalation	Yes	6E-10
Ambient Vapor Inhalation	Yes	
		2E-05

NC - not carcinogenic by this exposure route
NTV - no toxicity value available
NV - not volatile
DAD - dermally absorbed dose
EC - exposure concentration
ABS - absorption factor
CSF - cancer slope factor
UR - cancer unit risk
ELCR - excess lifetime cancer risk
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Cancer Toxicity Values			ELCR				
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (ug/m^3)	EC_{vapor} (ug/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	CSF_{oral} $(mg/kg/day)^{-1}$	CSF_{dermal} $(mg/kg/day)^{-1}$	IUR $(ug/m^3)^{-1}$	$ELCR_{ingestion}$	$ELCR_{dermal}$	$ELCR_{particulate}$	$ELCR_{vapor}$	$ELCR_{total}$
Cymene (p-Isopropyltoluene)	99-87-6	1.4E-03	NC	NC	NC	NC										
Benz[a]anthracene	56-55-3	1.5E+00	4.7E-07	2.5E-07	3.0E-08	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.4E-07	1.8E-07	3.3E-12	NV	5.3E-07
Benzo[a]pyrene	50-32-8	1.4E+00	4.2E-07	2.3E-07	2.7E-08	NV	1	0.13	7.3E+00	7.3E+00	1.1E-03	3.1E-06	1.7E-06	3.0E-11	NV	4.7E-06
Benzo[b]fluoranthene	205-99-2	1.7E+00	5.3E-07	2.9E-07	3.4E-08	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.9E-07	2.1E-07	3.8E-12	NV	6.0E-07
Carbazole	86-74-8	4.3E-01	1.3E-07	5.5E-08	NC	NV	1	0.1	2.0E-02	2.0E-02		2.6E-09	1.1E-09		NV	3.7E-09
Dibenz[a,h]anthracene	53-70-3	2.5E-01	7.6E-08	4.1E-08	4.9E-09	NV	1	0.13	7.3E+00	7.3E+00	1.2E-03	5.6E-07	3.0E-07	5.9E-12	NV	8.6E-07
Indeno[1,2,3-cd]pyrene	193-39-5	6.9E-01	2.1E-07	1.1E-07	1.4E-08	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	1.5E-07	8.3E-08	1.5E-12	NV	2.4E-07
Polychlorinated Biphenyls	1336-36-3	6.6E+00	2.0E-06	1.2E-06	1.3E-07	NV	1	0.14	2.0E+00	2.0E+00	5.7E-04	4.0E-06	2.3E-06	7.4E-11	NV	6.4E-06
Arsenic	7440-38-2	5.9E+00	1.1E-06	2.2E-07	1.2E-07	NV	0.6	0.03	1.5E+00	1.5E+00	4.3E-03	1.6E-06	3.4E-07	5.0E-10	NV	2.0E-06
Lead	7439-92-1	4.6E+02	NC	NC	NC	NV	1								NV	
Thallium	7440-28-0	7.9E+00	NC	NC	NC	NV	NC	NC							NV	

Attachment C, Table C17
Non-Cancer Risk Calculations
TSCA Site (0-2 ft) - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		HI (Total)
Incidental Ingestion	Yes	3E-01
Dermal Contact	Yes	2E-01
Particulate Inhalation	Yes	2E-05
Ambient Vapor Inhalation	Yes	
		0.5

NV - not volatile
NTV - no toxicity value available
EC - exposure concentration
DAD - dermally absorbed dose
RfD - reference dose
ABS - absorption factor
HI - hazard index
RfC - reference concentration
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Non-Cancer Toxicity Values			$HQ_{ingestion}$	HQ_{dermal}	$HQ_{particulate}$	HQ_{vapor}	HQ_{total}
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (mg/m^3)	EC_{vapor} (mg/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	RfD_{oral} (mg/kg/day)	RfD_{dermal} (mg/kg/day)	RfC (mg/m^3)					
Cymene (p-Isopropyltoluene)	99-87-6	1.4E-03			7.5E-14	6.8E-08						NTV	NTV	NTV	NTV	
Benz[a]anthracene	56-55-3	1.5E+00	1.3E-06	7.1E-07	8.5E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[a]pyrene	50-32-8	1.4E+00	1.2E-06	6.3E-07	7.6E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[b]fluoranthene	205-99-2	1.7E+00	1.5E-06	8.0E-07	9.6E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Carbazole	86-74-8	4.3E-01	3.7E-07	1.5E-07	2.4E-11	NV	1	0.1				NTV	NTV	NTV	NV	
Dibenz[a,h]anthracene	53-70-3	2.5E-01	2.1E-07	1.2E-07	1.4E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Indeno[1,2,3-cd]pyrene	193-39-5	6.9E-01	5.9E-07	3.2E-07	3.8E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Polychlorinated Biphenyls	1336-36-3	6.6E+00	5.6E-06	3.3E-06	3.6E-10	NV	1	0.14	2.0E-05	2.0E-05		2.8E-01	1.6E-01	NTV	NV	4.4E-01
Arsenic	7440-38-2	5.9E+00	3.0E-06	6.3E-07	3.3E-10	NV	0.6	0.03	3.0E-04	3.0E-04	1.5E-05	1.0E-02	2.1E-03	2.2E-05	NV	1.2E-02
Lead	7439-92-1	4.6E+02	3.9E-04		2.6E-08	NV	1					NTV	NTV	NTV	NV	
Thallium	7440-28-0	7.9E+00	6.8E-06		4.4E-10	NV	1					NTV	NTV	NTV	NV	

Attachment C, Table C18
Intake and Risk Equations - Composite Receptor/Age-Adjusted

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Cancer Risk from Ingestion

$$ELCR = Intake_{ing} * CSF$$

$$Intake_{ing\ (age\ group\ x)} = \frac{[EPC]_{soil} * IFSadj * ABS_{ING} * FI * EF * C1}{AT_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR = DAD * CSF$$

$$DAD_{derm(age\ group\ x)} = \frac{DA_{Event} * SA * EV * EF}{AT_{lifetime}}$$

$$DA_{Event} = [EPC]_{soil} * DFSadj * C1$$

Cancer Risk from Inhalation

$$ELCR_{inh} = EC_{can} * IUR$$

$$EC_{can\ (age\ group\ x)} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED}{24 * AT_{lifetime}}$$

Noncancer Risk from Ingestion

$$HQ = \frac{Intake_{ing}}{RfD}$$

$$Intake_{ing} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW * AT}$$

Noncancer Risk from Dermal Absorption

$$HQ = \frac{DAD}{RfD}$$

$$DAD_{derm} = \frac{DA_{Event} * SA * EV * EF * ED}{BW * AT}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Noncancer Risk from Inhalation

$$HQ = \frac{EC_{nc}}{RfC}$$

$$EC_{nc} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED * C2 \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED * C2}{24 * AT}$$

Parameter	Value - Cancer	Value - Non-Cancer	Units
CSF	Chemical specific	--	$(mg/kg\text{-}day)^{-1}$
IUR	Chemical specific	--	$(ug/m^3)^{-1}$
Intake	Age/chemical specific	--	mg/kg-day
EC_{can}	Age/chemical specific	--	(ug/m^3)
ELCR	Age/chemical specific	--	unitless
RfD	--	Chemical specific	mg/kg-day
RfC	--	Chemical specific	(mg/m^3)
DAD	Age/chemical specific	Age/chemical specific	mg/kg-day
DA_{Event}	Age/chemical specific	Age/chemical specific	mg/cm^2-event
EC_{nc}	--	Age/chemical specific	mg/m^3
HQ	--	Age/chemical specific	unitless
$[EPC]_{soil}$	Chemical specific	Chemical specific	mg/kg
$[EPC]_{PART}$	Attachment C, TABLE C19	Attachment C, TABLE C19	ug/m^3
$[EPC]_{VAPOR}$	Attachment C, TABLE C20	Attachment C, TABLE C20	ug/m^3
ABS_{ing}	Chemical specific	Chemical specific	unitless
ABS_d	Chemical specific	Chemical specific	unitless
BW	80	80	kg
EF	250	250	day/year
ED	25	25	year
AT	--	9125	day
ATlifetime	25550	--	day
IFSadj	31	--	mg-yr/kg-day
IR	100	100	mg/day
FI	1	1	unitless
C1	0.000001	0.000001	kg/mg
SA	3470	3470	cm2
AF	0.12	0.12	mg/cm2
EV	1	1	event/day
DFSadj	130	130.125	mg-yr/kg-day
ETPart	8.00	8.0	hours/day
C2	0.001	0.001	mg/ug
ETVap	8	8	ug/mg

Attachment C, Table C19
Particulate to Outdoor Air EPC Calculations
TSCA Site (0-2 ft) - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$$EPC_{[PARTICULATE]} = EPC_{[SOIL]} \times PARTICULATE_{[AIR]} \times 1E\text{-}06 \text{ [kg/mg]}$$

where:

$$PARTICULATE_{[AIR]} = (1/PEF * 1E+09 \text{ ug/kg}) \text{ or Measured/Modelled}$$

and:

$$PEF\ (m^3/kg) = Q/C \times [(3600\ s/hr) / ((0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x))]$$

PARAMETER/DEFINITION	UNITS	DEFAULT	Source
$PARTICULATE_{[Air]}$ / Particulate concentration in air	ug/m^3	0.24280	Calculated or measured
Measured or modeled $PARTICULATE_{[AIR]}$	ug/m^3		Measured value
PEF / Particulate emission factor	m^3/kg		Guidance value
PEF / Particulate emission factor	m^3/kg	4.12E+09	Calculated here
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	Calculated / USEPA, 2014 [a]
V / Fraction of vegetative cover	unitless	0.1	Site-specific, estimated
U_m / mean annual windspeed	m/s	3.84	Site-specific / USEPA, 2014
U_t / equivalent threshold value of wind speed at 7 m	m/s	11.32	USEPA, 2014
F(x) / function dependant on U_m/U_t derived using Cowherd et al. (1985)	unitless	3.45E-02	Calculated / USEPA, 2014

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT; Assumes no pavement and exposed soil. [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	EPC Soil (mg/kg)	EPC Particulate (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	0.00135	3.3E-10
56-55-3	Benz[a]anthracene	1.53	3.7E-07
50-32-8	Benzo[a]pyrene	1.369	3.3E-07
205-99-2	Benzo[b]fluoranthene	1.735	4.2E-07
86-74-8	Carbazole	0.431	1.0E-07
53-70-3	Dibenz[a,h]anthracene	0.249	6.0E-08
193-39-5	Indeno[1,2,3-cd]pyrene	0.686	1.7E-07
1336-36-3	Polychlorinated Biphenyls	6.561	1.6E-06
7440-38-2	Arsenic	5.888	1.4E-06
7439-92-1	Lead	460.5	1.1E-04
7440-28-0	Thallium	7.9	1.9E-06

Attachment C, Table C20
Vapor to Outdoor Air EPC Calculations
TSCA Site (0-2 ft) - Surface Soil
Commercial/Industrial - Commercial Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[VAPOR]} = EPC_{[SOIL]} \times 1/VF \times 1000$ ug/mg

where:
$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$
and:
$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

ARAMETER/DEFINITION	UNITS	DEFAULT	Source
VF / volatilization factor	m^3/kg	Calculated	
D_A / apparent diffusivity	cm^2/s	Calculated	
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	USEPA, 2014 [a]
T / exposure interval	s	7.88E+08	Commercial/Industrial
Π_b / dry soil bulk density	g/cm^3	1.5	USEPA, 2014
O_a / air-filled soil porosity	L_{air}/L_{soil}	0.28	USEPA, 2014
n / total soil porosity	L_{pore}/L_{soil}	0.43	USEPA, 2014
O_w / water-filled soil porosity	L_{water}/L_{soil}	0.15	USEPA, 2014
Ψ_s / soil particle density	g/cm^3	2.65	USEPA, 1996
D_i / diffusivity in air	cm^2/s	chemical-specific	
H' / Henry's Law constant	dimensionless	chemical-specific	
D_w / diffusivity in water	cm^2/s	chemical-specific	
K_d / soil-water partition coefficient (Koc x foc) organics	cm^3/g	chemical-specific	
K_{oc} / soil organic carbon partition coefficient	cm^3/g	chemical-specific	
f_{oc} / fraction organic carbon in soil	g/g	0.006	Default

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Phoenix Arizona [a] Area of Source: Specific to size of Exposure Area

CASRN	COPC	Volatile (Y/N)	D_i (cm^2/s)	H' (unitless)	D_w (cm^2/s)	K_d (cm^3/g)	K_{oc} (cm^3/g)	D_A (cm^2/s)	VF (m^3/kg)	EPC Soil (mg/kg)	EPC Vapor (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	Y	6.00E-02	4.70E-01	7.90E-06	4.20E+00	7.00E+02	3.3E-04	4538	0.00135	3.0E-04
56-55-3	Benz[a]anthracene	N	5.09E-02	4.91E-04	5.94E-06	1.06E+03	1.77E+05				NV
50-32-8	Benzo[a]pyrene	N	4.76E-02	1.87E-05	5.56E-06	3.52E+03	5.87E+05				NV
205-99-2	Benzo[b]fluoranthene	N	4.76E-02	2.69E-05	5.56E-06	3.60E+03	5.99E+05				NV
86-74-8	Carbazole	N	4.40E-02	3.93E-03	7.89E-06	5.50E+01	9.16E+03				NV
53-70-3	Dibenz[a,h]anthracene	N	4.46E-02	5.76E-06	5.21E-06	1.15E+04	1.91E+06				NV
193-39-5	Indeno[1,2,3-cd]pyrene	N	4.48E-02	6.56E-05	5.23E-06	2.08E+04	3.47E+06				NV
1336-36-3	Polychlorinated Biphenyls	N	4.32E-02	7.77E-03	5.04E-06	4.69E+02	7.81E+04				NV
7440-38-2	Arsenic	N									NV
7439-92-1	Lead	N									NV
7440-28-0	Thallium	N									NV

Attachment C, Table C21
Intake and Risk Equations - Composite Receptor/Age-Adjusted
TSCA Site (0-2 ft) - Surface Soil
BCEC Visitor - Child, Adolescent, and Adult (Ages 1 - 31)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		ELCR (Total)
Incidental Ingestion	Yes	9E-06
Dermal Contact	Yes	3E-06
Particulate Inhalation	Yes	4E-11
Ambient Vapor Inhalation	Yes	
		1E-05

NC - not carcinogenic by this exposure route
NTV - no toxicity value available
NV - not volatile
DAD - dermally absorbed dose
EC - exposure concentration
ABS - absorption factor
CSF - cancer slope factor
UR - cancer unit risk
ELCR - excess lifetime cancer risk
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Cancer Toxicity Values			ELCR				
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (ug/m^3)	EC_{vapor} (ug/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	CSF_{oral} $(mg/kg/day)^{-1}$	CSF_{dermal} $(mg/kg/day)^{-1}$	IUR $(ug/m^3)^{-1}$	$ELCR_{ingestion}$	$ELCR_{dermal}$	$ELCR_{particulate}$	$ELCR_{vapor}$	$ELCR_{total}$
Cymene (p-Isopropyltoluene)	99-87-6	1.4E-03	NC	NC	NC	NC										
Benz[a]anthracene	56-55-3	1.5E+00	4.1E-07	1.7E-07	1.9E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.0E-07	1.2E-07	2.1E-13	NV	4.2E-07
Benzo[a]pyrene	50-32-8	1.4E+00	3.7E-07	1.5E-07	1.7E-09	NV	1	0.13	7.3E+00	7.3E+00	1.1E-03	2.7E-06	1.1E-06	1.9E-12	NV	3.8E-06
Benzo[b]fluoranthene	205-99-2	1.7E+00	4.7E-07	1.9E-07	2.1E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.4E-07	1.4E-07	2.4E-13	NV	4.8E-07
Carbazole	86-74-8	4.3E-01	1.2E-07	3.6E-08	NC	NV	1	0.1	2.0E-02	2.0E-02		2.3E-09	7.3E-10		NV	3.1E-09
Dibenz[a,h]anthracene	53-70-3	2.5E-01	6.7E-08	2.7E-08	3.1E-10	NV	1	0.13	7.3E+00	7.3E+00	1.2E-03	4.9E-07	2.0E-07	3.7E-13	NV	6.9E-07
Indeno[1,2,3-cd]pyrene	193-39-5	6.9E-01	1.9E-07	7.5E-08	8.5E-10	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	1.4E-07	5.5E-08	9.3E-14	NV	1.9E-07
Polychlorinated Biphenyls	1336-36-3	6.6E+00	1.8E-06	7.8E-07	8.1E-09	NV	1	0.14	2.0E+00	2.0E+00	5.7E-04	3.6E-06	1.6E-06	4.6E-12	NV	5.1E-06
Arsenic	7440-38-2	5.9E+00	9.6E-07	1.5E-07	7.3E-09	NV	0.6	0.03	1.5E+00	1.5E+00	4.3E-03	1.4E-06	2.2E-07	3.1E-11	NV	1.7E-06
Lead	7439-92-1	4.6E+02	NC	NC	NC	NV	1								NV	
Thallium	7440-28-0	7.9E+00	NC	NC	NC	NV	NC	NC							NV	

Attachment C, Table C22
Non-Cancer Risk Calculations
TSCA Site (0-2 ft) - Surface Soil
BCEC Visitor - Child (Age 0-<6)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		HI (Total)
Incidental Ingestion	Yes	7E-01
Dermal Contact	Yes	3E-01
Particulate Inhalation	Yes	1E-06
Ambient Vapor Inhalation	Yes	
		1.0

NV - not volatile
NTV - no toxicity value available
EC - exposure concentration
DAD - dermally absorbed dose
RfD - reference dose
ABS - absorption factor
HI - hazard index
RfC - reference concentration
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations: $Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (mg/m^3)	EC_{vapor} (mg/m^3)	Absorption Factors: ABS_{ing} (unitless)	ABS_d (unitless)	Non-Cancer Toxicity Values: RfD_{oral} (mg/kg/day)	RfD_{dermal} (mg/kg/day)	RfC (mg/m^3)	$HQ_{ingestion}$	HQ_{dermal}	$HQ_{particulate}$	HQ_{vapor}	HQ_{total}
Cymene (p-Isopropyltoluene)	99-87-6	1.4E-03			4.5E-15	4.0E-09						NTV	NTV	NTV	NTV	
Benz[a]anthracene	56-55-3	1.5E+00	3.4E-06	1.2E-06	5.1E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[a]pyrene	50-32-8	1.4E+00	3.0E-06	1.0E-06	4.6E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[b]fluoranthene	205-99-2	1.7E+00	3.8E-06	1.3E-06	5.8E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Carbazole	86-74-8	4.3E-01	9.4E-07	2.5E-07	1.4E-12	NV	1	0.1				NTV	NTV	NTV	NV	
Dibenz[a,h]anthracene	53-70-3	2.5E-01	5.5E-07	1.9E-07	8.3E-13	NV	1	0.13				NTV	NTV	NTV	NV	
Indeno[1,2,3-cd]pyrene	193-39-5	6.9E-01	1.5E-06	5.3E-07	2.3E-12	NV	1	0.13				NTV	NTV	NTV	NV	
Polychlorinated Biphenyls	1336-36-3	6.6E+00	1.4E-05	5.4E-06	2.2E-11	NV	1	0.14	2.0E-05	2.0E-05		7.2E-01	2.7E-01	NTV	NV	9.9E-01
Arsenic	7440-38-2	5.9E+00	7.7E-06	1.0E-06	2.0E-11	NV	0.6	0.03	3.0E-04	3.0E-04	1.5E-05	2.6E-02	3.5E-03	1.3E-06	NV	2.9E-02
Lead	7439-92-1	4.6E+02	1.0E-03		1.5E-09	NV	1					NTV	NTV	NTV	NV	
Thallium	7440-28-0	7.9E+00	1.7E-05		2.6E-11	NV	1					NTV	NTV	NTV	NV	

Attachment C, Table C23
Intake and Risk Equations - Composite Receptor/Age-Adjusted

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Cancer Risk from Ingestion

$$ELCR = Intake_{ing} * CSF$$

$$Intake_{ing\ (age\ group\ x)} = \frac{[EPC]_{soil} * IFSadj * ABS_{ING} * FI * EF * C1}{AT_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR = DAD * CSF$$

$$DAD_{derm(age\ group\ x)} = \frac{DA_{Event} * SA * EV * EF}{AT_{lifetime}}$$

$$DA_{Event} = [EPC]_{soil} * DFSadj * C1$$

Cancer Risk from Inhalation

$$ELCR_{inh} = EC_{can} * IUR$$

$$EC_{can\ (age\ group\ x)} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED}{24 * AT_{lifetime}}$$

Noncancer Risk from Ingestion

$$HQ = \frac{Intake_{ing}}{RfD}$$

$$Intake_{ing} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW * AT}$$

Noncancer Risk from Dermal Absorption

$$HQ = \frac{DAD}{RfD}$$

$$DAD_{derm} = \frac{DA_{Event} * SA * EV * EF * ED}{BW * AT}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Noncancer Risk from Inhalation

$$HQ = \frac{EC_{nc}}{RfC}$$

$$EC_{nc} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED * C2 \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED * C2}{24 * AT}$$

Parameter	Value - Cancer	Value - Non-Cancer	Units
CSF	Chemical specific	--	$(mg/kg\text{-}day)^{-1}$
IUR	Chemical specific	--	$(ug/m^3)^{-1}$
Intake	Age/chemical specific	--	mg/kg-day
EC_{can}	Age/chemical specific	--	(ug/m^3)
ELCR	Age/chemical specific	--	unitless
RfD	--	Chemical specific	mg/kg-day
RfC	--	Chemical specific	(mg/m^3)
DAD	Age/chemical specific	Age/chemical specific	mg/kg-day
DA_{Event}	Age/chemical specific	Age/chemical specific	mg/cm^2-event
EC_{nc}	--	Age/chemical specific	mg/m^3
HQ	--	Age/chemical specific	unitless
$[EPC]_{soil}$	Chemical specific	Chemical specific	mg/kg
$[EPC]_{PART}$	Attachment C, TABLE C24	Attachment C, TABLE C24	ug/m^3
$[EPC]_{VAPOR}$	Attachment C, TABLE C25	Attachment C, TABLE C25	ug/m^3
ABS_{ing}	Chemical specific	Chemical specific	unitless
ABS_d	Chemical specific	Chemical specific	unitless
BW	NA	15	kg
EF	60	60	day/year
ED	26	6	year
AT	--	2190	day
ATlifetime	25550	--	day
IFSadj	115	--	mg-yr/kg-day
IR	NA	200	mg/day
FI	1	1	unitless
C1	0.000001	0.000001	kg/mg
SA	NA	2690	cm2
AF	NA	0.2	mg/cm2
EV	1	1	event/day
DFSadj	360	NA	mg-yr/kg-day
ETPart	2.00	2.0	hours/day
C2	0.001	0.001	mg/ug
ETVap	2	2	ug/mg

Attachment C, Table C24
Particulate to Outdoor Air EPC Calculations
TSCA Site (0-2 ft) - Surface Soil
BCEC Visitor - Child, Adolescent, and Adult (Ages 1 - 31)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$\mathbf{EPC_{[PARTICULATE]} = EPC_{[SOIL]} \times PARTICULATE_{[AIR]} \times 1E\text{-}06\ [kg/mg]}$

where:
$\mathbf{PARTICULATE_{[AIR]} = (1/PEF * 1E{+}09\ ug/kg)}$ **or Measured/Modelled**
and:
$\mathbf{PEF\ (m^3/kg) = Q/C \times [(3600\ s/hr) / ((0.036 \times (1\text{-}V) \times (U_m/U_t)^3 \times F(x))]}$

PARAMETER/DEFINITION	UNITS	DEFAULT	Source
$PARTICULATE_{[Air]}$ / Particulate concentration in air	ug/m^3	0.24280	Calculated or measured
Measured or modeled $PARTICULATE_{[AIR]}$	ug/m^3		Measured value
PEF / Particulate emission factor	m^3/kg		Guidance value
PEF / Particulate emission factor	m^3/kg	4.12E+09	Calculated here
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	Calculated / USEPA, 2014 [a]
V / Fraction of vegetative cover	unitless	0.1	Site-specific, estimated
U_m / mean annual windspeed	m/s	3.84	Site-specific / USEPA, 2014
U_t / equivalent threshold value of wind speed at 7 m	m/s	11.32	USEPA, 2014
F(x) / function dependant on U_m/U_t derived using Cowherd et al. (1985)	unitless	3.45E-02	Calculated / USEPA, 2014

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT; Assumes no pavement and exposed soil. [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	EPC Soil (mg/kg)	EPC Particulate (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	0.00135	3.3E-10
56-55-3	Benz[a]anthracene	1.53	3.7E-07
50-32-8	Benzo[a]pyrene	1.369	3.3E-07
205-99-2	Benzo[b]fluoranthene	1.735	4.2E-07
86-74-8	Carbazole	0.431	1.0E-07
53-70-3	Dibenz[a,h]anthracene	0.249	6.0E-08
193-39-5	Indeno[1,2,3-cd]pyrene	0.686	1.7E-07
1336-36-3	Polychlorinated Biphenyls	6.561	1.6E-06
7440-38-2	Arsenic	5.888	1.4E-06
7439-92-1	Lead	460.5	1.1E-04
7440-28-0	Thallium	7.9	1.9E-06

Attachment C, Table C25
Vapor to Outdoor Air EPC Calculations
TSCA Site (0-2 ft) - Surface Soil
BCEC Visitor - Child, Adolescent, and Adult (Ages 1 - 31)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[VAPOR]} = EPC_{[SOIL]} \times 1/VF \times 1000$ ug/mg

where:

$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$

and:

$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

ARAMETER/DEFINITION	UNITS	DEFAULT	Source
VF / volatilization factor	m^3/kg	Calculated	
D_A / apparent diffusivity	cm^2/s	Calculated	
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	USEPA, 2014 [a]
T / exposure interval	s	8.20E+08	BCEC Visitor
Π_b / dry soil bulk density	g/cm^3	1.5	USEPA, 2014
O_a / air-filled soil porosity	L_{air}/L_{soil}	0.28	USEPA, 2014
n / total soil porosity	L_{pore}/L_{soil}	0.43	USEPA, 2014
O_w / water-filled soil porosity	L_{water}/L_{soil}	0.15	USEPA, 2014
Ψ_s / soil particle density	g/cm^3	2.65	USEPA, 1996
D_i / diffusivity in air	cm^2/s	chemical-specific	
H' / Henry's Law constant	dimensionless	chemical-specific	
D_w / diffusivity in water	cm^2/s	chemical-specific	
K_d / soil-water partition coefficient (Koc x foc) organics	cm^3/g	chemical-specific	
K_{oc} / soil organic carbon partition coefficient	cm^3/g	chemical-specific	
f_{oc} / fraction organic carbon in soil	g/g	0.006	Default

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Phoenix Arizona [a] Area of Source: Specific to size of Exposure Area

CASRN	COPC	Volatile (Y/N)	D_i (cm^2/s)	H' (unitless)	D_w (cm^2/s)	K_d (cm^3/g)	K_{oc} (cm^3/g)	D_A (cm^2/s)	VF (m^3/kg)	EPC Soil (mg/kg)	EPC Vapor (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	Y	6.00E-02	4.70E-01	7.90E-06	4.20E+00	7.00E+02	3.3E-04	4628	0.00135	2.9E-04
56-55-3	Benz[a]anthracene	N	5.09E-02	4.91E-04	5.94E-06	1.06E+03	1.77E+05				NV
50-32-8	Benzo[a]pyrene	N	4.76E-02	1.87E-05	5.56E-06	3.52E+03	5.87E+05				NV
205-99-2	Benzo[b]fluoranthene	N	4.76E-02	2.69E-05	5.56E-06	3.60E+03	5.99E+05				NV
86-74-8	Carbazole	N	4.40E-02	3.93E-03	7.89E-06	5.50E+01	9.16E+03				NV
53-70-3	Dibenz[a,h]anthracene	N	4.46E-02	5.76E-06	5.21E-06	1.15E+04	1.91E+06				NV
193-39-5	Indeno[1,2,3-cd]pyrene	N	4.48E-02	6.56E-05	5.23E-06	2.08E+04	3.47E+06				NV
1336-36-3	Polychlorinated Biphenyls	N	4.32E-02	7.77E-03	5.04E-06	4.69E+02	7.81E+04				NV
7440-38-2	Arsenic	N									NV
7439-92-1	Lead	N									NV
7440-28-0	Thallium	N									NV

Attachment C, Table C26
Intake and Risk Equations - Composite Receptor/Age-Adjusted
Cypher Street (0-15 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		ELCR (Total)
Incidental Ingestion	Yes	9E-07
Dermal Contact	Yes	4E-07
Particulate Inhalation	Yes	1E-11
Ambient Vapor Inhalation	Yes	
		1E-06

NC - not carcinogenic by this exposure route
NTV - no toxicity value available
NV - not volatile
DAD - dermally absorbed dose
EC - exposure concentration
ABS - absorption factor
CSF - cancer slope factor
UR - cancer unit risk
ELCR - excess lifetime cancer risk
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations				Absorption Factors		Cancer Toxicity Values			$ELCR_{ingestion}$	$ELCR_{dermal}$	$ELCR_{particulate}$	$ELCR_{vapor}$	$ELCR_{total}$
			$Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (ug/m^3)	EC_{vapor} (ug/m^3)	ABS_{ing} (unitless)	ABS_d (unitless)	CSF_{oral} $(mg/kg/day)^{-1}$	CSF_{dermal} $(mg/kg/day)^{-1}$	IUR $(ug/m^3)^{-1}$					
Cymene (p-Isopropyltoluene)	99-87-6	1.9E-03	NC	NC	NC	NC										
Benz[a]anthracene	56-55-3	7.5E+00	5.1E-08	2.1E-08	1.0E-09	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	3.7E-08	1.5E-08	1.1E-13	NV	5.2E-08
Benzo[a]pyrene	50-32-8	4.2E+00	2.8E-08	1.2E-08	5.6E-10	NV	1	0.13	7.3E+00	7.3E+00	1.1E-03	2.1E-07	8.5E-08	6.1E-13	NV	2.9E-07
Benzo[b]fluoranthene	205-99-2	6.0E+00	4.0E-08	1.7E-08	8.0E-10	NV	1	0.13	7.3E-01	7.3E-01	1.1E-04	2.9E-08	1.2E-08	8.8E-14	NV	4.2E-08
Carbazole	86-74-8	1.3E+00	8.7E-09	2.8E-09	NC	NV	1	0.1	2.0E-02	2.0E-02		1.7E-10	5.5E-11		NV	2.3E-10
Dibenz[a,h]anthracene	53-70-3	1.3E+00	8.9E-09	3.7E-09	1.8E-10	NV	1	0.13	7.3E+00	7.3E+00	1.2E-03	6.5E-08	2.7E-08	2.1E-13	NV	9.2E-08
Polychlorinated Biphenyls	1336-36-3	3.3E+01	2.2E-07	9.8E-08	4.4E-09	NV	1	0.14	2.0E+00	2.0E+00	5.7E-04	4.4E-07	2.0E-07	2.5E-12	NV	6.4E-07
Antimony	7440-36-0	2.4E+01	NC	NC	NC	NV	NC	NC							NV	
Arsenic	7440-38-2	1.6E+01	6.5E-08	1.0E-08	2.1E-09	NV	0.6	0.03	1.5E+00	1.5E+00	4.3E-03	9.7E-08	1.5E-08	9.1E-12	NV	1.1E-07
Lead	7439-92-1	1.0E+03	NC	NC	NC	NV	1								NV	
Thallium	7440-28-0	2.6E+01	NC	NC	NC	NV	NC	NC							NV	

Attachment C, Table C27
Non-Cancer Risk Calculations
Cypher Street (0-15 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Exposure Routes Evaluated		HI (Total)
Incidental Ingestion	Yes	6E-01
Dermal Contact	Yes	2E-01
Particulate Inhalation	Yes	1E-05
Ambient Vapor Inhalation	Yes	
		0.8

NV - not volatile
NTV - no toxicity value available
EC - exposure concentration
DAD - dermally absorbed dose
RfD - reference dose
ABS - absorption factor
HI - hazard index
RfC - reference concentration
EPC - exposure point concentration (if blank, then COPC was not detected)
COPC - chemical of potential concern

COPC	CASRN	EPC (mg/kg)	Intake Calculations: $Intake_{ingestion}$ (mg/kg/day)	DAD_{dermal} (mg/kg/day)	$EC_{particulate}$ (mg/m^3)	EC_{vapor} (mg/m^3)	Absorption Factors: ABS_{ing} (unitless)	ABS_d (unitless)	Non-Cancer Toxicity Values: RfD_{oral} (mg/kg/day)	RfD_{dermal} (mg/kg/day)	RfC (mg/m^3)	$HQ_{ingestion}$	HQ_{dermal}	$HQ_{particulate}$	HQ_{vapor}	HQ_{total}
Cymene (p-Isopropyltoluene)	99-87-6	1.9E-03			1.8E-14	7.9E-08						NTV	NTV	NTV	NTV	
Benz[a]anthracene	56-55-3	7.5E+00	3.6E-06	1.5E-06	7.0E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[a]pyrene	50-32-8	4.2E+00	2.0E-06	8.1E-07	3.9E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Benzo[b]fluoranthene	205-99-2	6.0E+00	2.8E-06	1.2E-06	5.6E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Carbazole	86-74-8	1.3E+00	6.1E-07	1.9E-07	1.2E-11	NV	1	0.1				NTV	NTV	NTV	NV	
Dibenz[a,h]anthracene	53-70-3	1.3E+00	6.3E-07	2.6E-07	1.2E-11	NV	1	0.13				NTV	NTV	NTV	NV	
Polychlorinated Biphenyls	1336-36-3	3.3E+01	1.6E-05	6.9E-06	3.1E-10	NV	1	0.14	3.0E-05	3.0E-05		5.2E-01	2.3E-01	NTV	NV	7.5E-01
Antimony	7440-36-0	2.4E+01	1.2E-05		2.3E-10	NV	1		4.0E-04	6.0E-05		2.9E-02		NTV	NV	2.9E-02
Arsenic	7440-38-2	1.6E+01	4.5E-06	7.2E-07	1.5E-10	NV	0.6	0.03	3.0E-04	3.0E-04	1.5E-05	1.5E-02	2.4E-03	9.9E-06	NV	1.8E-02
Lead	7439-92-1	1.0E+03	5.0E-04		9.8E-09	NV	1					NTV	NTV	NTV	NV	
Thallium	7440-28-0	2.6E+01	1.2E-05		2.4E-10	NV	1					NTV	NTV	NTV	NV	

Attachment C, Table C28
Intake and Risk Equations - Composite Receptor/Age-Adjusted

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

Cancer Risk from Ingestion

$$ELCR = Intake_{ing} * CSF$$

$$Intake_{ing\ (age\ group\ x)} = \frac{[EPC]_{soil} * IFSadj * ABS_{ING} * FI * EF * C1}{AT_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR = DAD * CSF$$

$$DAD_{derm(age\ group\ x)} = \frac{DA_{Event} * SA * EV * EF}{AT_{lifetime}}$$

$$DA_{Event} = [EPC]_{soil} * DFSadj * C1$$

Cancer Risk from Inhalation

$$ELCR_{inh} = EC_{can} * IUR$$

$$EC_{can\ (age\ group\ x)} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED}{24 * AT_{lifetime}}$$

Noncancer Risk from Ingestion

$$HQ = \frac{Intake_{ing}}{RfD}$$

$$Intake_{ing} = \frac{[EPC]_{soil} * IR * ABS_{ing} * FI * EF * ED * C1}{BW * AT}$$

Noncancer Risk from Dermal Absorption

$$HQ = \frac{DAD}{RfD}$$

$$DAD_{derm} = \frac{DA_{Event} * SA * EV * EF * ED}{BW * AT}$$

$$DA_{Event} = [EPC]_{soil} * ABS_d * AF * C1$$

Noncancer Risk from Inhalation

$$HQ = \frac{EC_{nc}}{RfC}$$

$$EC_{nc} = \frac{[EPC]_{PART} * ET_{Part} * EF * ED * C2 \text{ --- OR--- } [EPC]_{VAPOR} * ET_{Vap} * EF * ED * C2}{24 * AT}$$

Parameter	Value - Cancer	Value - Non-Cancer	Units
CSF	Chemical specific	--	$(mg/kg\text{-}day)^{-1}$
IUR	Chemical specific	--	$(ug/m^3)^{-1}$
Intake	Age/chemical specific	--	mg/kg-day
EC_{can}	Age/chemical specific	--	(ug/m^3)
ELCR	Age/chemical specific	--	unitless
RfD	--	Chemical specific	mg/kg-day
RfC	--	Chemical specific	(mg/m^3)
DAD	Age/chemical specific	Age/chemical specific	mg/kg-day
DA_{Event}	Age/chemical specific	Age/chemical specific	mg/cm^2-event
EC_{nc}	--	Age/chemical specific	mg/m^3
HQ	--	Age/chemical specific	unitless
$[EPC]_{soil}$	Chemical specific	Chemical specific	mg/kg
$[EPC]_{PART}$	Attachment C, TABLE C29	Attachment C, TABLE C29	ug/m^3
$[EPC]_{VAPOR}$	Attachment C, TABLE C30	Attachment C, TABLE C30	ug/m^3
ABS_{ing}	Chemical specific	Chemical specific	unitless
ABS_d	Chemical specific	Chemical specific	unitless
BW	80	80	kg
EF	42	42	day/year
ED	1	1	year
AT	--	365	day
ATlifetime	25550	--	day
IFSadj	4	--	mg-yr/kg-day
IR	330	330	mg/day
FI	1	1	unitless
C1	0.000001	0.000001	kg/mg
SA	3470	3470	cm2
AF	0.3	0.3	mg/cm2
EV	1	1	event/day
DFSadj	13	13	mg-yr/kg-day
ETPart	8.00	8.0	hours/day
C2	0.001	0.001	mg/ug
ETVap	8	8	ug/mg

Attachment C, Table C29
Particulate to Outdoor Air EPC Calculations
Cypher Street (0-15 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[PARTICULATE]}$ = $EPC_{[SOIL]}$ x $PARTICULATE_{[AIR]}$ x 1E-06 [kg/mg]

where:
$PARTICULATE_{[AIR]}$ = (1/PEF * 1E+09 ug/kg) or Measured/Modelled
and:
PEF (m^3/kg) = Q/C x [(3600 s/hr) / ((0.036 x (1-*V*) x (U_m/U_t)^3 x *F(x)*)]

PARAMETER/DEFINITION	UNITS	DEFAULT	Source
$PARTICULATE_{[Air]}$ / Particulate concentration in air	ug/m^3	0.24280	Calculated or measured
Measured or modeled $PARTICULATE_{[AIR]}$	ug/m^3		Measured value
PEF / Particulate emission factor	m^3/kg		Guidance value
PEF / Particulate emission factor	m^3/kg	4.12E+09	Calculated here
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	Calculated / USEPA, 2014 [a]
V / Fraction of vegetative cover	unitless	0.1	Site-specific, estimated
U_m / mean annual windspeed	m/s	3.84	Site-specific / USEPA, 2014
U_t / equivalent threshold value of wind speed at 7 m	m/s	11.32	USEPA, 2014
F(x) / function dependant on U_m/U_t derived using Cowherd et al. (1985)	unitless	3.45E-02	Calculated / USEPA, 2014

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Hartford, CT; Assumes no pavement and exposed soil. [a] Area of Source: 5 acres Specific to size of Site

CASRN	COPC	EPC Soil (mg/kg)	EPC Particulate (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	0.00188	4.6E-10
56-55-3	Benz[a]anthracene	7.497	1.8E-06
50-32-8	Benzo[a]pyrene	4.176	1.0E-06
205-99-2	Benzo[b]fluoranthene	5.99	1.5E-06
86-74-8	Carbazole	1.289	3.1E-07
53-70-3	Dibenz[a,h]anthracene	1.324	3.2E-07
1336-36-3	Polychlorinated Biphenyls	32.84	8.0E-06
7440-36-0	Antimony	24.39	5.9E-06
7440-38-2	Arsenic	15.96	3.9E-06
7439-92-1	Lead	1048	2.5E-04
7440-28-0	Thallium	25.51	6.2E-06

Attachment C, Table C30
Vapor to Outdoor Air EPC Calculations
Cypher Street (0-15 ft) - Surface Soil
CONSTRUCTION - Construction Worker (Adult)

TSCA Workplan
Boston Convention and Exhibition Center
Boston, Massachusetts

EQUATIONS:

$EPC_{[VAPOR]} = EPC_{[SOIL]} \times 1/VF \times 1000$ ug/mg

where:

$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$

and:

$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

ARAMETER/DEFINITION	UNITS	DEFAULT	Source
VF / volatilization factor	m^3/kg	Calculated	
D_A / apparent diffusivity	cm^2/s	Calculated	
Q/C / inverse of the mean concentration at the center of a 0.5-acre-square source	g/m^2-s per kg/m^3	49.92	USEPA, 2014 [a]
T / exposure interval	s	3.15E+07	CONSTRUCTION
Π_b / dry soil bulk density	g/cm^3	1.5	USEPA, 2014
O_a / air-filled soil porosity	L_{air}/L_{soil}	0.28	USEPA, 2014
n / total soil porosity	L_{pore}/L_{soil}	0.43	USEPA, 2014
O_w / water-filled soil porosity	L_{water}/L_{soil}	0.15	USEPA, 2014
Ψ_s / soil particle density	g/cm^3	2.65	USEPA, 1996
D_i / diffusivity in air	cm^2/s	chemical-specific	
H' / Henry's Law constant	dimensionless	chemical-specific	
D_w / diffusivity in water	cm^2/s	chemical-specific	
K_d / soil-water partition coefficient (Koc x foc) organics	cm^3/g	chemical-specific	
K_{oc} / soil organic carbon partition coefficient	cm^3/g	chemical-specific	
f_{oc} / fraction organic carbon in soil	g/g	0.006	Default

USEPA, 2014. Regional Screening Levels.
[a] Climactic zone: Phoenix Arizona [a] Area of Source: Specific to size of Exposure Area

CASRN	COPC	Volatile (Y/N)	D_i (cm^2/s)	H' (unitless)	D_w (cm^2/s)	K_d (cm^3/g)	K_{oc} (cm^3/g)	D_A (cm^2/s)	VF (m^3/kg)	EPC Soil (mg/kg)	EPC Vapor (ug/m^3)
99-87-6	Cymene (p-Isopropyltoluene)	Y	6.00E-02	4.70E-01	7.90E-06	4.20E+00	7.00E+02	3.3E-04	908	0.00188	2.1E-03
56-55-3	Benz[a]anthracene	N	5.09E-02	4.91E-04	5.94E-06	1.06E+03	1.77E+05				NV
50-32-8	Benzo[a]pyrene	N	4.76E-02	1.87E-05	5.56E-06	3.52E+03	5.87E+05				NV
205-99-2	Benzo[b]fluoranthene	N	4.76E-02	2.69E-05	5.56E-06	3.60E+03	5.99E+05				NV
86-74-8	Carbazole	N	4.40E-02	3.93E-03	7.89E-06	5.50E+01	9.16E+03				NV
53-70-3	Dibenz[a,h]anthracene	N	4.46E-02	5.76E-06	5.21E-06	1.15E+04	1.91E+06				NV
1336-36-3	Polychlorinated Biphenyls	N	4.32E-02	7.77E-03	5.04E-06	4.69E+02	7.81E+04				NV
7440-36-0	Antimony	N									NV
7440-38-2	Arsenic	N									NV
7439-92-1	Lead	N									NV
7440-28-0	Thallium	N									NV

ATTACHMENT D
ADULT LEAD MODEL

Calculations of Blood Lead Concentrations (PbBs)

U.S. EPA Technical Review Workgroup for Lead, Adult Lead Committee
Version date 6/21/09

Subsurface Soil Near Cypher Street

Construction Worker

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 1999-2004
PbS	Soil lead concentration	ug/g or ppm	1048
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD_i	Geometric standard deviation PbB	--	1.8
PbB_0	Baseline PbB	ug/dL	1.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.330
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--
K_{SD}	Mass fraction of soil in dust	--	--
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	40
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**2.8**
$PbB_{fetal, 0.95}$	95th percentile PbB among fetuses of adult workers	ug/dL	6.7
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**10.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**1.0%**

Source: U.S. EPA (1996). Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil

Attachment E
Summary of Analytical Data QC Non-Conformances

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15A0709	15A0709-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0709	15A0709-01	1/22/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0709	15A0709-01	1/22/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0709	B114053-BLK1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0709	B114053-BS1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0709	B114053-BSD1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0709	15A0709-01	1/22/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	B114053-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	B114053-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0709	B114053-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0712	15A0712-02	1/22/2015	SO	SW8082	Tetrachloro-m-xylene	S-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.
15A0712	15A0712-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15A0712	15A0712-01	1/22/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0712	15A0712-01	1/22/2015	SO	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0712	15A0712-01	1/22/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0712	15A0712-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0712	15A0712-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0712	15A0712-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0712	15A0712-01	1/22/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0712	15A0712-01	1/22/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0712	15A0712-01	1/22/2015	SO	SW8270C	1,2-Diphenylhydrazine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0712	15A0712-01	1/22/2015	SO	SW8270C	2,4-Dimethylphenol	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0725	15A0725-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0725	B114199-BS1		SQ	SW8260B	Acetone	L-07A, R-05, V-20	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0725	B114199-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0725	B114199-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0725	B114199-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0725	B114199-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BLK1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BLK1		SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BS1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BS1		SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BSD1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15A0725	B114199-BSD1		SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0725	B114199-BSD1		SQ	SW8260B	Acetone	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0725	B114199-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0725	B114199-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0725	B114199-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	15A0725-01	1/22/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	15A0725-06	1/22/2015	SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BLK1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BS1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	B114199-BSD1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0725	15A0725-01	1/22/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0727	15A0727-01	1/22/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A0727	15A0727-02RE1	1/22/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0727	15A0727-02RE1	1/22/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

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15A0727	15A0727-04	1/22/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0727	15A0727-03	1/22/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0727	15A0727-03	1/22/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0727	15A0727-04	1/22/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0727	15A0727-04	1/22/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0727	15A0727-02RE1	1/22/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0727	15A0727-04	1/22/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0727	15A0727-04	1/22/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0727	15A0727-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0727	15A0727-01	1/22/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0727	15A0727-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0727	15A0727-01	1/22/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0729	15A0729-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0729	15A0729-01	1/22/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15A0729	15A0729-01	1/22/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0729	15A0729-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0729	15A0729-01	1/22/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0731	15A0731-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0731	15A0731-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0731	15A0731-01	1/22/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0732	15A0732-01	1/22/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A0732	15A0732-02	1/22/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0732	15A0732-02	1/22/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0732	15A0732-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0732	15A0732-01	1/22/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0732	15A0732-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0732	15A0732-01	1/22/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	15A0733-01	1/22/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A0733	15A0733-01	1/22/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0733	B114201-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	B114201-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	B114201-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15A0733	15A0733-01	1/22/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0733	B114201-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	1,1,1,2-Tetrachloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	B114201-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0733	15A0733-01	1/22/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0733	B114201-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0733	B114201-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15A0733	B114201-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0733	15A0733-01	1/22/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	B114096-BLK1		SQ	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	B114096-BS1		SQ	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0733	B114096-BSD1		SQ	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0734	B114081-BSD1		SQ	SW8082	Aroclor-1016 (PCB-1016)	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15A0787	15A0787-01	1/23/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A0787	B114241-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15A0787	B114241-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15A0787	15A0787-02	1/23/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0787	15A0787-02	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0787	15A0787-02	1/23/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0787	B114262-BS1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0787	B114262-BSD1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0787	B114262-BSD1		SQ	SW8260B	Vinyl chloride	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15A0787	B114262-BS1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0787	B114262-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0787	B114262-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0787	B114262-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0787	B114262-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0787	15A0787-01	1/23/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BLK1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BS1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	B114262-BSD1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	15A0787-01	1/23/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BLK1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15A0787	B114262-BS1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0787	B114262-BSD1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0788	15A0788-01	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0788	15A0788-01	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0788	15A0788-01	1/23/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0788	15A0788-01	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0788	15A0788-01	1/23/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0789	15A0789-02	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0789	15A0789-02	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0790	15A0790-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0790	15A0790-05	1/23/2015	SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0790	15A0790-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0790	15A0790-05	1/23/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0791	B114161-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21, V-05	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21, V-05	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BLK1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BLK1		SQ	SW8082	Aroclor-1221 (PCB-1221)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BLK1		SQ	SW8082	Aroclor-1242 (PCB-1242)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BLK1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BLK1		SQ	SW8082	Aroclor-1262 (PCB-1262)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BS1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BS1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BSD1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-BSD1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0791	B114161-MSD1		SO	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A0792	15A0792-03	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15A0792	15A0792-03	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0792	15A0792-01	1/23/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0792	15A0792-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0792	15A0792-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0792	15A0792-01	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-03	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher results was reported.
15A0793	15A0793-05	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0793	15A0793-05	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0793	15A0793-06	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0793	15A0793-06	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0793	15A0793-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0793	15A0793-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0793	15A0793-02	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0793	15A0793-01	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0793	15A0793-02	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-02	1/23/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0794	15A0794-02	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0794	15A0794-03	1/23/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0794	15A0794-03	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0794	15A0794-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0794	15A0794-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0794	15A0794-01	1/23/2015	SO	SW8270C	2-Fluorophenol	S-05	More than one surrogate standard recovery for the associated fraction is outside of control limits or any one surrogate recovery is < 10%. All reported acid fraction data is estimated.
15A0794	15A0794-01	1/23/2015	SO	SW8270C	2,4,6-Tribromophenol	S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
15A0794	15A0794-01RE1	1/23/2015	SO	SW8270C	2,4,6-Tribromophenol	S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
15A0794	15A0794-01	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-03	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0795	15A0795-03	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0795	15A0795-01	1/23/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0795	15A0795-05	1/23/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0795	15A0795-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0795	15A0795-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0795	15A0795-05	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0795	15A0795-01	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0795	15A0795-05	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-03	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0796	15A0796-03	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0796	15A0796-02	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0796	15A0796-02	1/23/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0796	15A0796-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0796	15A0796-01	1/23/2015	SO	SW8270C	2,4,6-Tribromophenol	S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
15A0796	15A0796-01RE1	1/23/2015	SO	SW8270C	2,4,6-Tribromophenol	S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
15A0796	15A0796-01	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0796	15A0796-01RE1	1/23/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0797	15A0797-01	1/23/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A0797	15A0797-02	1/23/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0797	15A0797-02	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0797	15A0797-03	1/23/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0797	15A0797-03	1/23/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0797	15A0797-03	1/23/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15A0797	15A0797-01	1/23/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0797	B114310-BS1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0797	B114310-BSD1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0797	B114310-BSD1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	Carbon tetrachloride	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0797	B114310-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0797	B114310-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0797	B114310-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BLK1		SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0797	B114310-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	B114310-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0797	15A0797-01	1/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0797	B114310-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0797	B114310-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0797	B114310-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0797	15A0797-01	1/23/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15A0797	15A0797-01	1/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0835	15A0835-01	1/24/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0835	15A0835-01	1/24/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0835	15A0835-02	1/24/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0835	15A0835-02	1/24/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0835	15A0835-03	1/24/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0835	15A0835-03	1/24/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15A0835	15A0835-04	1/24/2015	SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0835	15A0835-04	1/24/2015	SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0835	15A0835-04	1/24/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0835	15A0835-04	1/24/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0835	15A0835-04	1/24/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0842	15A0842-02	1/26/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0842	15A0842-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0842	15A0842-01	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-01	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-01	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0842	15A0842-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0842	15A0842-02	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0842	15A0842-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0842	15A0842-02	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.

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15A0842	15A0842-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0842	15A0842-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0842	15A0842-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0842	15A0842-02	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0842	15A0842-02	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0842	15A0842-02	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0843	15A0843-03	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0843	15A0843-03	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0843	15A0843-01	1/26/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0843	15A0843-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-02	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-01	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-01	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-01	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-02	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-02	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-02	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0843	15A0843-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0843	15A0843-02	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15A0843	15A0843-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0843	15A0843-02	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0843	15A0843-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0843	15A0843-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0843	15A0843-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0843	15A0843-02	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0843	15A0843-02	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0843	15A0843-02	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0844	15A0844-04	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0844	15A0844-04	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0844	15A0844-05	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0844	15A0844-05	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0844	15A0844-02	1/26/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0844	15A0844-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-02	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-01	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-01	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-01	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-02	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0844	15A0844-02	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-02	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0844	15A0844-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0844	15A0844-02	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0844	15A0844-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0844	15A0844-02	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0844	15A0844-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0844	15A0844-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0844	15A0844-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0844	15A0844-02	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0844	15A0844-02	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0844	15A0844-02	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0845	15A0845-01	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0845	15A0845-01	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0845	15A0845-03	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0845	15A0845-03	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0846	15A0846-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0846	15A0846-01	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0846	15A0846-01	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0846	15A0846-01	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0846	15A0846-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0846	15A0846-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0846	15A0846-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0846	15A0846-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0846	15A0846-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Tert-Butyl Ethyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Naphthalene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16, V-17	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result. Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16, V-17	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result. Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01RE1	1/26/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15A0847	15A0847-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, R-06, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0847	15A0847-01	1/26/2015	SO	SW8270C	2,4-Dichlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15A0847	15A0847-01	1/26/2015	SO	SW8270C	Pentachlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15A0847	B114295-MS1		SO	SW8270C	2,4-Dichlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated

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15A0847	B114295-MS1		SO	SW8270C	Pentachlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15A0847	B114295-MSD1		SO	SW8270C	2,4-Dichlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15A0847	B114295-MSD1		SO	SW8270C	Pentachlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15A0847	B114295-MS1		SO	SW8270C	2-Nitrophenol	MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
15A0847	B114295-MS1		SO	SW8270C	4-Nitrophenol	MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
15A0847	B114295-MSD1		SO	SW8270C	Fluoranthene	MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
15A0847	B114295-MS1		SO	SW8270C	2,4-Dinitrophenol	MS-23, V-04	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0847	B114295-MSD1		SO	SW8270C	2,4-Dinitrophenol	R-06, V-04	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0847	B114295-MS1		SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0847	B114295-MS1		SO	SW8270C	Nitrobenzene	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0847	B114295-MS1		SO	SW8270C	Phenol	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0847	B114295-MSD1		SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0847	B114295-MSD1		SO	SW8270C	Nitrobenzene	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0847	B114295-MSD1		SO	SW8270C	Phenol	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0847	15A0847-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0847	15A0847-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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15A0847	15A0847-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	B114296-MS1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15A0848	B114296-MSD1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15A0848	B114450-BS1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	B114450-BSD1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0848	B114450-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0848	B114450-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0848	B114450-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BLK1		SQ	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BLK1		SQ	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BS1		SQ	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BS1		SQ	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0848	B114450-BSD1		SQ	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BSD1		SQ	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BS1		SQ	SW8260B	Vinyl chloride	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15A0848	B114450-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0848	B114450-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0848	B114450-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0848	B114450-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BLK1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BLK1		SQ	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BS1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BS1		SQ	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BSD1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	B114450-BSD1		SQ	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	15A0848-01	1/26/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BLK1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BS1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15A0848	B114450-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BSD1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0848	B114450-BS1		SQ	SW8260B	2-Hexanone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	B114450-BSD1		SQ	SW8260B	2-Hexanone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	15A0848-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0848	15A0848-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	15A0848-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0848	15A0848-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0850	B114257-BS1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0850	B114257-BS1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0850	B114257-BSD1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0850	B114257-BSD1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0850	B114257-BLK1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0850	B114257-BLK1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0850	15A0850-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-03	1/26/2015	SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-01	1/26/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-01	1/26/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-01	1/26/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-03	1/26/2015	SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0850	15A0850-03	1/26/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-03	1/26/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0850	15A0850-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0850	15A0850-03	1/26/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0850	15A0850-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0850	15A0850-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0850	15A0850-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0850	15A0850-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0851	B114354-BS1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0851	B114354-BSD1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Tert-Butyl Ethyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0851	B114354-BLK1		SQ	SW8260B	Tert-Butyl Ethyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	Tert-Butyl Ethyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	Diisopropyl ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	Methyl Tert Butyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	Tert-Butyl Ethyl Ether	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	Naphthalene	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BS1		SQ	SW8260B	2-Hexanone	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BSD1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BSD1		SQ	SW8260B	2-Hexanone	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0851	B114354-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0851	B114354-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15A0851	B114354-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BLK1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BS1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0851	B114354-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	B114354-BSD1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	15A0851-01	1/26/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BLK1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BS1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	B114354-BSD1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0851	15A0851-01	1/26/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0851	15A0851-01	1/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0851	15A0851-01	1/26/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0851	15A0851-01	1/26/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0870	15A0870-03	1/24/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15A0870	15A0870-02	1/24/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15A0870	15A0870-02	1/24/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0870	15A0870-02	1/24/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0870	15A0870-03	1/24/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0870	15A0870-03	1/24/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0874	15A0874-01	1/24/2015	SO	D1498	Oxidation reduction potential	H-03	Sample received after recommended holding time was exceeded

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15A0874	15A0874-01	1/24/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0874	15A0874-01	1/24/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0874	15A0874-01	1/24/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0874	15A0874-01	1/24/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0874	15A0874-01	1/24/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0874	15A0874-01	1/24/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0874	15A0874-01	1/24/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0874	15A0874-01	1/24/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0874	15A0874-01	1/24/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0874	15A0874-01	1/24/2015	SO	SW9045C	pH Corrosivity	H-03	Sample received after recommended holding time was exceeded
15A0875	15A0875-01	1/24/2015	SO	D1498	Oxidation reduction potential	H-03	Sample received after recommended holding time was exceeded
15A0875	B114241-BLK1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114241-BLK1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114241-BS1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114241-BS1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114241-BSD1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114241-BSD1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	15A0875-01	1/24/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0875	B114398-BS1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0875	B114398-BSD1		SQ	SW8260B	Acetone	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15A0875	15A0875-01	1/24/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BS1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BSD1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0875	B114398-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0875	B114398-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0875	B114398-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0875	B114398-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	15A0875-01	1/24/2015	SO	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	15A0875-01	1/24/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	15A0875-01	1/24/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BLK1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BS1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BSD1		SQ	SW8260B	Bromoform	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0875	B114398-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ATTACHMENT E
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15A0875	B114398-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05, L-04	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15A0875	15A0875-01	1/24/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0875	B114398-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0875	B114398-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0875	B114398-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0875	15A0875-01	1/24/2015	SO	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0875	B114295-BLK1		SQ	SW8270C	2,4-Dinitrophenol	L-04, V-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0875	B114295-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0875	B114295-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15A0875	B114295-BS1		SQ	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0875	B114295-BS1		SQ	SW8270C	Nitrobenzene	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0875	B114295-BS1		SQ	SW8270C	Phenol	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0875	B114295-BSD1		SQ	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0875	B114295-BSD1		SQ	SW8270C	Nitrobenzene	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0875	B114295-BSD1		SQ	SW8270C	Phenol	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0875	15A0875-01	1/24/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0875	15A0875-01	1/24/2015	SO	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15A0875	15A0875-01	1/24/2015	SO	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0875	B114295-BLK1		SQ	SW8270C	2,2'-oxybis(2-Chloropropane)	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0875	B114295-BLK1		SQ	SW8270C	Nitrobenzene	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0875	B114295-BLK1		SQ	SW8270C	Phenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0875	15A0875-01	1/24/2015	SO	SW9045C	pH Corrosivity	H-03	Sample received after recommended holding time was exceeded
15A0881	B114338-BS1		SQ	SW8082	Aroclor-1016 (PCB-1016)	L-02, V-06	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0881	B114338-BSD1		SQ	SW8082	Aroclor-1016 (PCB-1016)	L-02, V-06	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0881	B114338-BSD1		SQ	SW8082	Aroclor-1260 (PCB-1260)	L-07, V-06	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0881	15A0881-01RE1	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0881	15A0881-01RE1	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0881	15A0881-02	1/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0881	15A0881-02	1/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0881	B114338-BS1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A0881	B114338-BLK1		SQ	SW8082	Aroclor-1016 (PCB-1016)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0881	B114338-BLK1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0917	15A0917-01	1/22/2015	SO	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0917	B114448-MS1		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0917	B114448-MS2		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0917	B114448-MS3		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0917	B114448-MSD1		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15A0941	B114464-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15A0941	B114464-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15A0941	B114464-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15A0941	B114464-MSD1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15A0941	15A0941-02	1/29/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0941	15A0941-02	1/29/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0941	15A0941-01	1/29/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0941	15A0941-01	1/29/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-01	1/29/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0941	15A0941-01	1/29/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0941	15A0941-01	1/29/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-01	1/29/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-01	1/29/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-01	1/29/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0941	15A0941-03	1/29/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0941	15A0941-01	1/29/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0941	15A0941-01	1/29/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW7470A	Mercury	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated

ATTACHMENT E
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15A0943	B114521-MS1		SO	SW7470A	Mercury	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15A0943	15A0943-04	1/29/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0943	15A0943-04	1/29/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0943	15A0943-01	1/29/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-01	1/29/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0943	15A0943-01	1/29/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0943	15A0943-01	1/29/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-01	1/29/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-01	1/29/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-01	1/29/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0943	15A0943-02	1/29/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0943	15A0943-01	1/29/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-01	1/29/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-02	1/29/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0943	15A0943-01RE1	1/29/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

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15A0944	15A0944-01	1/29/2015	SO	SW6010B	Selenium	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15A0944	B114515-MS1		SO	SW6010B	Selenium	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15A0944	B114515-MS1		SO	SW6010B	Barium	MS-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15A0944	15A0944-01	1/29/2015	SO	SW6010B	Barium	MS-11, R-02	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated. Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
15A0944	B114515-MS1		SO	SW6010B	Lead	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15A0944	15A0944-01	1/29/2015	SO	SW6010B	Lead	MS-19, R-02	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated. Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
15A0944	B114515-DUP1		SO	SW6010B	Barium	R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
15A0944	B114515-DUP1		SO	SW6010B	Lead	R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
15A0944	15A0944-01	1/29/2015	SO	SW6010B	Arsenic	R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
15A0944	B114515-DUP1		SO	SW6010B	Arsenic	R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
15A0944	B114464-BLK1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114464-BS1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114464-BSD1		SQ	SW8082	Aroclor-1260 (PCB-1260)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-01	1/29/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0944	15A0944-02	1/29/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A0944	15A0944-01	1/29/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-02	1/29/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BLK1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BS1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BSD1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0944	B114460-BS1		SQ	SW8260B	Carbon tetrachloride	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0944	B114460-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15A0944	B114460-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	B114460-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	B114460-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-01	1/29/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	15A0944-01	1/29/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	15A0944-02	1/29/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	15A0944-02	1/29/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	B114460-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	B114460-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A0944	B114460-BS1		SQ	SW8260B	Acetone	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0944	B114460-BSD1		SQ	SW8260B	Acetone	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A0944	15A0944-01	1/29/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-01	1/29/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-01	1/29/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-02	1/29/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-02	1/29/2015	SO	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A0944	15A0944-02	1/29/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BLK1		SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BS1		SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	B114460-BSD1		SQ	SW8260B	Chlorobromomethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-01	1/29/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0944	15A0944-02	1/29/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0944	B114460-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0944	B114460-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0944	B114460-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A0944	15A0944-01	1/29/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-01	1/29/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-02	1/29/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0944	15A0944-02	1/29/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A0977	15A0977-01	1/23/2015	SO	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0977	B114804-MS1		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0977	B114804-MS2		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0977	B114804-MS3		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A0977	B114804-MSD1		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15A1001	15A1001-01	1/30/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A1001	15A1001-01	1/30/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15A1001	15A1001-01	1/30/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1001	15A1001-01	1/30/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1001	15A1001-01	1/30/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1001	15A1001-01	1/30/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1001	15A1001-01	1/30/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1001	15A1001-01	1/30/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A1002	15A1002-01	1/30/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A1002	15A1002-01	1/30/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1002	15A1002-01	1/30/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1002	15A1002-01	1/30/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1002	15A1002-01	1/30/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1002	15A1002-01	1/30/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1002	15A1002-01	1/30/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1002	15A1002-01	1/30/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A1003	15A1003-01	1/30/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15A1003	15A1003-01	1/30/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A1003	15A1003-01	1/30/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1003	15A1003-04	1/30/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1003	15A1003-01	1/30/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-01	1/30/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-01	1/30/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-01	1/30/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-04	1/30/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-04	1/30/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-04	1/30/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A1003	15A1003-04	1/30/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1003	15A1003-01	1/30/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1003	15A1003-04	1/30/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1005	15A1005-02	1/30/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A1005	15A1005-02	1/30/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A1007	15A1007-01	1/30/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15A1007	B114560-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1007	B114560-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1007	15A1007-01	1/30/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1007	B114560-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15A1007	15A1007-01	1/30/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	15A1007-01	1/30/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	15A1007-01	1/30/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	15A1007-01	1/30/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15A1007	B114560-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	B114560-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15A1007	15A1007-01	1/30/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1007	B114560-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1007	B114560-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1007	B114560-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15A1007	B114532-BSD1		SQ	SW8270C	Aniline	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15A1007	B114532-BS1		SQ	SW8270C	Benzo(g,h,i)perylene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A1007	B114532-BSD1		SQ	SW8270C	Benzo(g,h,i)perylene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15A1007	15A1007-01	1/30/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15A1007	B114532-BLK1		SQ	SW8270C	Benzo(g,h,i)perylene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0051	B114659-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0051	B114659-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0051	B114659-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0051	B114659-MSD1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0051	15B0051-02	2/3/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0051	15B0051-01	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0051	15B0051-02	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0051	15B0051-06	2/3/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0051	15B0051-01	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-01	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-01	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-02	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-02	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-02	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0051	15B0051-06	2/3/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-06	2/3/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-06	2/3/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-01	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0051	15B0051-02	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0051	15B0051-06	2/3/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0051	15B0051-01	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-01	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-02	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0051	15B0051-02	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-01	2/3/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0053	15B0053-01	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0053	15B0053-02	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0053	15B0053-01	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-01	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-01	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-02	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-02	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-02	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-01	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0053	15B0053-02	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0053	15B0053-01	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-01	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0053	15B0053-02	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0053	15B0053-02	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0054	B114663-MS1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0054	B114663-MSD1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0054	15B0054-01	2/3/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0054	B114663-MS1		SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0054	B114663-MSD1		SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,4-Dioxane	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,4-Dioxane	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-02	2/3/2015	SO	SW8260B	1,4-Dioxane	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BLK1		SQ	SW8260B	1,4-Dioxane	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BS1		SQ	SW8260B	1,4-Dioxane	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BSD1		SQ	SW8260B	1,4-Dioxane	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-02	2/3/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-02	2/3/2015	SO	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BLK1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BS1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	B114703-BSD1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16, V-17	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result. Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-16, V-17	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result. Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.

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15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01	2/3/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,1,2,2-Tetrachloroethane	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,2,3-Trichloropropane	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,3,5-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	2-Chlorotoluene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	4-Chlorotoluene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Bromobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Bromoform	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Chlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Chlorobenzene-d5	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Ethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Isopropylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	m,p-Xylenes	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	n-Propylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	o-Xylene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	Styrene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	15B0054-01RE1	2/3/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0054	B114703-BSD1		SQ	SW8260B	Acetone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0054	B114703-BS1		SQ	SW8260B	Acetone	V-20, L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0054	15B0054-01	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0054	15B0054-01	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0054	15B0054-02	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0054	15B0054-02	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01	2/3/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0055	15B0055-01	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	p-Bromofluorobenzene	S-03	Surrogate recovery outside of control limits due to suspected sample matrix interference.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	p-Bromofluorobenzene	S-03	Surrogate recovery outside of control limits due to suspected sample matrix interference.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01RE1	2/3/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0055	15B0055-01	2/3/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0055	15B0055-01	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0055	15B0055-01	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0056	15B0056-01	2/3/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0056	15B0056-01	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0056	15B0056-01	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0056	15B0056-01	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0056	15B0056-01	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0056	15B0056-01	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0056	15B0056-01	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0056	15B0056-01	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	15B0057-01	2/3/2015	SO	SW6010B	Selenium	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15B0057	15B0057-01	2/3/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0057	B114706-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0057	B114706-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0057	B114706-BS1		SQ	SW8260B	Acetone	L-14, R-05, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0057	B114706-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	15B0057-01	2/3/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0057	B114706-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0057	B114706-BSD1		SQ	SW8260B	Acetone	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0057	15B0057-01	2/3/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0057	15B0057-01	2/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	15B0057-01	2/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114706-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	15B0057-01	2/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0057	B114706-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0057	B114706-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0057	B114706-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0057	15B0057-01	2/3/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	15B0057-01	2/3/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114675-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114675-BLK1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114675-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114675-BS1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114675-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0057	B114675-BSD1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0081	15B0081-01	1/22/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher results was reported.
15B0081	15B0081-01	1/22/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0081	15B0081-01	1/22/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0081	15B0081-02	1/22/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0081	15B0081-02	1/22/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15B0138	15B0138-01	1/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0138	15B0138-01	1/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0159	15B0159-01	2/5/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0159	15B0159-01	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0159	15B0159-01	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0159	15B0159-02	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0159	15B0159-02	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0159	15B0159-03	2/5/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0159	15B0159-03	2/5/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0159	15B0159-01	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0159	15B0159-02	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0159	15B0159-03	2/5/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0159	15B0159-01	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0159	15B0159-02	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0161	B114839-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0161	B114839-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0161	B114840-MS1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0161	B114840-MSD1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0161	15B0161-01	2/5/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0161	B114840-MS1		SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0161	B114840-MSD1		SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0161	15B0161-01	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0161	15B0161-01	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0161	15B0161-01	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0161	15B0161-01	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

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15B0162	15B0162-05RE1	2/5/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	O-03, P-04, V-24	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported. Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0162	15B0162-01	2/5/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0162	15B0162-01	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0162	15B0162-01	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0162	15B0162-01	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0162	15B0162-01	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0163	15B0163-01	2/5/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0163	15B0163-01	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0163	15B0163-01	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0163	15B0163-01	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0163	15B0163-01	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0163	15B0163-01	2/5/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0163	15B0163-01	2/5/2015	SO	SW8270C	Nitrobenzene-D5	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0164	15B0164-03	2/5/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0164	15B0164-03	2/5/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0166	15B0166-01	2/5/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03, P-04, V-24	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported. Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0166	15B0166-02	2/5/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0166	15B0166-02	2/5/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0166	15B0166-02	2/5/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0166	15B0166-02	2/5/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0166	15B0166-02	2/5/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0168	15B0168-04	2/5/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

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15B0168	15B0168-04	2/5/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-04	2/5/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-05	2/5/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-05	2/5/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-05	2/5/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-06	2/5/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-06	2/5/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-06	2/5/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0168	15B0168-01	2/5/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0168	B114882-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0168	B114882-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0168	B114882-BS1		SQ	SW8260B	Acetone	L-14, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0168	15B0168-01	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	15B0168-01	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	15B0168-02	2/5/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	15B0168-02	2/5/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	B114882-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	B114882-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	B114882-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0168	B114882-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	B114882-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	B114882-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0168	15B0168-01	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0168	15B0168-02	2/5/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0168	B114882-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0168	B114882-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0168	B114882-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0168	B114882-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0168	B114882-BSD1		SQ	SW8260B	Acetone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0168	B114882-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0168	15B0168-01	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0168	15B0168-02	2/5/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0168	B114837-BLK1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0168	B114837-BS1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0168	B114837-BSD1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0194	15B0194-01RE1	1/30/2015	W	SW6010R	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0195	15B0195-01RE1	1/30/2015	W	SW6010R	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0241	15B0241-05	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15B0241	15B0241-04	2/6/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0241	15B0241-04	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0241	15B0241-04	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0241	15B0241-04	2/6/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0241	15B0241-04	2/6/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0241	15B0241-01	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15B0241	15B0241-02	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0241	15B0241-01	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0241	15B0241-01	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0241	15B0241-01	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-01	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-01	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-01	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-01	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0241	15B0241-02	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0241	15B0241-07	2/6/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0241	15B0241-01	2/6/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0241	15B0241-01	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-01	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0241	15B0241-02	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0241	15B0241-02	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-04	2/6/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0243	15B0243-04	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0243	15B0243-04	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0243	15B0243-04	2/6/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0243	15B0243-04	2/6/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0243	15B0243-01	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0243	15B0243-02	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0243	15B0243-01	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0243	15B0243-01	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0243	15B0243-01	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-01	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-01	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-01	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-01	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0243	15B0243-02	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0243	15B0243-01	2/6/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

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15B0243	15B0243-01	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-01	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-02	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0243	15B0243-02	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-01	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0244	15B0244-02	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0244	15B0244-01	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0244	15B0244-01	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0244	15B0244-01	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-01	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-01	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-01	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-01	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0244	15B0244-02	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0244	15B0244-01RE1	2/6/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0244	15B0244-01RE1	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-01RE1	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0244	15B0244-02	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0244	15B0244-02	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	B115015-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0245	B115015-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0245	15B0245-03	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0245	15B0245-03	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0245	15B0245-01	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0245	15B0245-02	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0245	15B0245-01	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0245	15B0245-01	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0245	15B0245-01	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-01	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-01	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-01	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-01	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0245	15B0245-02	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0245	15B0245-01	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-01	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0245	15B0245-02	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0245	15B0245-02	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	15B0246-03	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0246	15B0246-03	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0246	15B0246-02	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0246	15B0246-02	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0246	15B0246-01	2/6/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0246	15B0246-01	2/6/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0246	15B0246-01	2/6/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0246	15B0246-01	2/6/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	15B0246-01	2/6/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	15B0246-01	2/6/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	15B0246-01	2/6/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	15B0246-01	2/6/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0246	15B0246-01	2/6/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0246	15B0246-01	2/6/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	15B0246-01	2/6/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	B114949-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	B114949-BLK1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	B114949-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	B114949-BS1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	B114949-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0246	B114949-BSD1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0248	15B0248-03	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03, P-04, V-24	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported. Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0248	15B0248-01	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0248	15B0248-01	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0248	15B0248-02	2/6/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0248	15B0248-02	2/6/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0265	15B0265-01	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0265	15B0265-02	2/7/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0265	15B0265-03	2/7/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0265	15B0265-02	2/7/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0265	15B0265-03	2/7/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0265	15B0265-01	2/7/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0265	15B0265-01	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0265	15B0265-01	2/7/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0265	15B0265-01	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0265	15B0265-01	2/7/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0265	15B0265-01	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0265	15B0265-01	2/7/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0265	15B0265-01	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0266	15B0266-01	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0266	15B0266-01	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0266	15B0266-01	2/7/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0266	15B0266-01	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0266	15B0266-01	2/7/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0266	15B0266-01	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0266	15B0266-01	2/7/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0266	15B0266-01	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0267	15B0267-01	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0267	15B0267-02	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0267	15B0267-01	2/7/2015	SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.sample matrix
15B0267	B115001-MS1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.sample matrix
15B0267	B115001-MSD1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.sample matrix
15B0267	15B0267-02	2/7/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0267	15B0267-01	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0267	15B0267-01	2/7/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0267	15B0267-02	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0267	15B0267-02	2/7/2015	SO	SW8260B	Tetrahydrofuran	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0267	15B0267-01	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0267	15B0267-01	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0267	15B0267-01	2/7/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0267	15B0267-02	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0267	15B0267-01	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0267	15B0267-02	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0268	B115144-DUP1		SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0268	15B0268-01	2/7/2015	SO	SW6010B	Lead	B-07, MS-19	Data is not affected by elevated level in blank since sample result is >10x level found in the blank. Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
15B0268	B115144-MS1		SO	SW6010B	Lead	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0268	15B0268-03	2/7/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0268	15B0268-03	2/7/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15B0268	15B0268-03	2/7/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0268	15B0268-02	2/7/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0268	15B0268-02	2/7/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0268	15B0268-03	2/7/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0268	15B0268-01	2/7/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0268	15B0268-01	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0268	15B0268-01	2/7/2015	SO	SW8260B	Tetrahydrofuran	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0268	15B0268-01	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0268	15B0268-01	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0269	15B0269-01	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0269	15B0269-02	2/7/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0269	15B0269-02	2/7/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24, Z-01	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria. Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%.
15B0269	15B0269-01	2/7/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0269	B115012-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0269	B115012-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0269	B115012-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0269	B115012-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0269	B115012-BS1		SQ	SW8260B	Acetone	L-14, R-05, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	Tetrahydrofuran	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	B115012-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	B115012-BLK1		SQ	SW8260B	Tetrahydrofuran	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	B115012-BS1		SQ	SW8260B	Tetrahydrofuran	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15B0269	B115012-BSD1		SQ	SW8260B	Tetrahydrofuran	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0269	B115012-BSD1		SQ	SW8260B	Acetone	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0269	B115012-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0269	B115012-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0269	B115012-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0269	B115012-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0269	B115012-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0269	B115012-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01	2/7/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
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15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	15B0269-01RE1	2/7/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0269	B115012-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0269	B115012-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0270	15B0270-01	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0270	15B0270-02	2/7/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0270	15B0270-03	2/7/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0270	15B0270-03	2/7/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0270	15B0270-06	2/7/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0270	15B0270-06	2/7/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0270	15B0270-01	2/7/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0270	15B0270-02	2/7/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0270	B114974-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0270	B114974-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0270	B114974-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	B114974-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-01	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-01	2/7/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	B114974-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	B114974-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	B114974-BS1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	B114974-BSD1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0270	15B0270-01	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-01	2/7/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0270	15B0270-01	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-01	2/7/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	B114974-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0270	B114974-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0270	15B0270-01	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0270	15B0270-02	2/7/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0270	15B0270-07	2/7/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0270	B114974-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0270	B114974-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0270	B114974-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0270	B114974-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0270	B114974-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0270	B114999-BS1		SQ	SW8270C	Aniline	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0316	15B0316-01	2/10/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0316	15B0316-01	2/10/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0316	15B0316-01	2/10/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0316	15B0316-06	2/10/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0316	15B0316-01	2/10/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0316	15B0316-01	2/10/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0316	15B0316-06	2/10/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0316	15B0316-06	2/10/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0316	15B0316-01	2/10/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0316	15B0316-06	2/10/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0317	15B0317-01	2/10/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0317	B115144-BLK1		SQ	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0317	15B0317-01	2/10/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15B0317	B115128-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0317	B115128-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0317	B115128-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0317	B115128-MSD1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0317	15B0317-01	2/10/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0317	B115127-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

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15B0317	B115127-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0317	B115127-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0317	B115127-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0317	B115127-BS1		SQ	SW8260B	Acetone	L-14, R-05, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0317	15B0317-01	2/10/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0317	B115127-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0317	B115127-BSD1		SQ	SW8260B	Acetone	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0317	15B0317-01	2/10/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	15B0317-01	2/10/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	B115127-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	B115127-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	B115127-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	B115127-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	B115127-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	B115127-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0317	15B0317-01	2/10/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0317	B115127-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0317	B115127-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0317	B115127-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0317	B115127-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0317	B115127-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0318	15B0318-01	2/10/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0318	15B0318-02	2/10/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15B0318	15B0318-01	2/10/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05, V-17	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01RE1	2/10/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0318	15B0318-01	2/10/2015	SO	SW8270C	2,4-Dichlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0318	15B0318-01	2/10/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	15B0322-01	2/10/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15B0322	15B0322-02	2/10/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15B0322	15B0322-01	2/10/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0322	15B0322-01	2/10/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0322	15B0322-01	2/10/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	15B0322-01	2/10/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0322	15B0322-01	2/10/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0322	15B0322-01	2/10/2015	SO	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	15B0322-01	2/10/2015	SO	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	B115157-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	B115157-BLK1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	B115157-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	B115157-BS1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	B115157-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0322	B115157-BSD1		SQ	SW8270C	Pentachlorophenol	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-01	2/11/2015	SO	SW7470A	Mercury	R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
15B0357	B115328-DUP1		SO	SW7470A	Mercury	R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
15B0357	B115174-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21, R-06	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample. Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
15B0357	B115174-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21, R-06	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample. Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
15B0357	B115174-MSD1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21, R-06	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample. Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
15B0357	15B0357-03	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0357	15B0357-04	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0357	15B0357-05	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0357	15B0357-03	2/11/2015	SO	SW8082	Aroclor-1016 (PCB-1016)	R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
15B0357	15B0357-03	2/11/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
15B0357	B115174-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	R-06, MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample. Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
15B0357	15B0357-03	2/11/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0357	15B0357-03	2/11/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0357	15B0357-04	2/11/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0357	15B0357-04	2/11/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0357	15B0357-05	2/11/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0357	15B0357-05	2/11/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15B0357	15B0357-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0357	15B0357-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0357	15B0357-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0357	15B0357-02	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0357	15B0357-07	2/11/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0357	15B0357-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0357	15B0357-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0357	15B0357-02	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15B0357	15B0357-02	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0357	15B0357-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0357	15B0357-02	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0357	15B0357-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0357	15B0357-02	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0358	15B0358-02	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0358	15B0358-02	2/11/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0358	15B0358-02	2/11/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0358	15B0358-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0358	15B0358-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0358	15B0358-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0358	15B0358-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0358	15B0358-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0358	15B0358-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0358	15B0358-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0358	15B0358-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0358	15B0358-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0358	15B0358-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0358	15B0358-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0359	15B0359-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0359	15B0359-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0359	15B0359-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0359	15B0359-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0359	15B0359-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0360	15B0360-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0360	15B0360-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0360	15B0360-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0360	15B0360-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0360	15B0360-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0361	15B0361-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0361	15B0361-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0361	15B0361-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0361	15B0361-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0361	15B0361-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0362	15B0362-02	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0362	15B0362-03	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

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15B0362	15B0362-02	2/11/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0362	15B0362-02	2/11/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0362	15B0362-03	2/11/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0362	15B0362-03	2/11/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0362	15B0362-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0362	15B0362-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0362	15B0362-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0362	15B0362-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0362	15B0362-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0362	15B0362-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0362	15B0362-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0362	15B0362-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0362	15B0362-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0362	15B0362-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0362	15B0362-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0363	15B0363-01	2/11/2015	SO	SW6010B	Lead	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0363	B115220-MS1		SO	SW6010B	Lead	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0363	15B0363-02	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0363	B115214-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0363	B115214-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0363	B115214-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115214-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115214-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0363	15B0363-01	2/11/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115214-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15B0363	15B0363-01	2/11/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	15B0363-01	2/11/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	15B0363-01	2/11/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	15B0363-01	2/11/2015	SO	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	15B0363-01	2/11/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	B115214-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0363	15B0363-01	2/11/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0363	B115214-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0363	B115214-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0363	B115214-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0363	B115214-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20, L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0363	B115238-BS1		SQ	SW8270C	Aniline	L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
15B0363	15B0363-01	2/11/2015	SO	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	15B0363-01	2/11/2015	SO	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115238-BLK1		SQ	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115238-BLK1		SQ	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115238-BS1		SQ	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115238-BSD1		SQ	SW8270C	4-Chloroaniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115238-BSD1		SQ	SW8270C	Aniline	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0363	B115238-BSD1		SQ	SW8270C	p-Terphenyl-d14	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0363	15B0363-01	2/11/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0363	B115238-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0363	B115238-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0363	B115238-BS1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0363	B115238-BS1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0363	B115238-BS1		SQ	SW8270C	Butyl benzylphthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0363	B115238-BS1		SQ	SW8270C	Di-n-octyl phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0363	B115238-BSD1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0363	15B0363-01	2/11/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0363	B115238-BLK1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0387	15B0387-01	1/30/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15B0388	15B0388-01	2/5/2015	W	SW6010R	Lead	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0388	B115449-MS1		W	SW6010R	Lead	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0405	15B0405-01	2/12/2015	SO	SW6010B	Selenium	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0405	B115405-BLK1		SQ	SW6010B	Selenium	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0405	B115405-BS1		SQ	SW6010B	Selenium	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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15B0405	B115405-BSD1		SQ	SW6010B	Selenium	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0405	15B0405-03	2/12/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1016 (PCB-1016)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1221 (PCB-1221)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1232 (PCB-1232)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1262 (PCB-1262)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Aroclor-1268 (PCB-1268)	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	15B0405-03	2/12/2015	SO	SW8082	Tetrachloro-m-xylene	O-32	A dilution was performed as part of the standard analytical procedure.
15B0405	B115314-MS1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0405	B115314-MSD1		SO	SW8100	Total Petroleum Hydrocarbons (C9-C36)	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15B0405	15B0405-01	2/12/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0405	15B0405-01	2/12/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0405	15B0405-01	2/12/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0405	15B0405-01	2/12/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0405	15B0405-01	2/12/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0405	15B0405-01	2/12/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0409	15B0409-03	2/12/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15B0409	B115374-BS1		SQ	SW8260B	Acetone	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0409	B115374-BSD1		SQ	SW8260B	Acetone	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0409	B115374-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0409	B115374-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, R-05, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0409	15B0409-01	2/12/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0409	15B0409-01	2/12/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0409	B115374-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0409	B115374-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0409	B115374-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0409	B115374-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-20	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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15B0409	15B0409-01	2/12/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	15B0409-01	2/12/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	15B0409-01	2/12/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	B115374-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0409	15B0409-01	2/12/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0409	B115374-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0409	B115374-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0409	B115374-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0409	B115374-BS1		SQ	SW8260B	Chlorobromomethane	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0409	B115374-BSD1		SQ	SW8260B	Chlorobromomethane	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0410	15B0410-01	2/12/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0410	15B0410-01	2/12/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0410	15B0410-01	2/12/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0410	15B0410-01	2/12/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0410	15B0410-01	2/12/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0410	15B0410-01	2/12/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15B0412	15B0412-02	2/12/2015	SO	SW8082	Aroclor-1260 (PCB-1260)	O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
15B0412	15B0412-03	2/12/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0412	15B0412-01	2/12/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0412	15B0412-01	2/12/2015	SO	SW8260B	Naphthalene	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	Naphthalene	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	Naphthalene	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	Naphthalene	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	1,1-Dichloroethene	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0412	B115251-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0412	B115251-BS1		SQ	SW8260B	Methylene chloride	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0412	B115251-BS1		SQ	SW8260B	trans-1,2-Dichloroethene	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0412	B115251-BS1		SQ	SW8260B	Trichlorofluoromethane (CFC-11)	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0412	B115251-BS1		SQ	SW8260B	Methyl Tert Butyl Ether	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0412	B115251-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0412	B115251-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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15B0412	B115251-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	Tetrahydrofuran	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	B115251-BLK1		SQ	SW8260B	Tetrahydrofuran	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	B115251-BS1		SQ	SW8260B	Tetrahydrofuran	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	B115251-BSD1		SQ	SW8260B	Tetrahydrofuran	R-05, V-16	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	Diisopropyl ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	Methyl Tert Butyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	Diisopropyl ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	Methyl Tert Butyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BLK1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	Diisopropyl ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0412	B115251-BS1		SQ	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BS1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	Diisopropyl ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	Methyl Tert Butyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	Tert-Amyl Methyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	Tert-Butyl Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	B115251-BSD1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0412	15B0412-01	2/12/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	B115251-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	B115251-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	B115251-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0412	15B0412-01	2/12/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0412	15B0412-01	2/12/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0413	15B0413-01	2/12/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0413	15B0413-01	2/12/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0413	15B0413-01	2/12/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0413	15B0413-01	2/12/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0413	15B0413-01	2/12/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0413	15B0413-01	2/12/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0413	15B0413-01	2/12/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0413	15B0413-01	2/12/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0413	15B0413-01	2/12/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0416	15B0416-02	2/12/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0416	15B0416-02	2/12/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0523	15B0523-01	2/5/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15B0523	15B0523-01	2/5/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0524	15B0524-01	2/5/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher results was reported.
15B0524	15B0524-01	2/5/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0524	15B0524-01	2/5/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0554	15B0554-01	2/11/2015	W	SW6010R	Lead	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0554	B115715-MS1		W	SW6010R	Lead	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0585	15B0585-01	2/18/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0585	15B0585-01	2/18/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0585	15B0585-01	2/18/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0585	15B0585-01	2/18/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0585	15B0585-01	2/18/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0585	15B0585-01	2/18/2015	SO	SW8270C	2,4-Dinitrophenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0585	15B0585-01	2/18/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0585	15B0585-01	2/18/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0585	15B0585-01	2/18/2015	SO	SW8270C	Butyl benzylphthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0585	15B0585-01	2/18/2015	SO	SW8270C	Di-n-octyl phthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115599-BS1		SQ	SW8260B	Chlorobromomethane	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115599-BSD1		SQ	SW8260B	Chlorobromomethane	L-02, V-20	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115599-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0587	B115599-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0587	B115599-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0587	B115599-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0587	15B0587-01	2/18/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-01	2/18/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0587	15B0587-01	2/18/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-01	2/18/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-04	2/18/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-04	2/18/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-04	2/18/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-04	2/18/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	B115599-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0587	15B0587-01	2/18/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0587	15B0587-04	2/18/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0587	B115599-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0587	B115599-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0587	B115599-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15B0587	B115599-BS1		SQ	SW8260B	Acetone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115599-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115599-BSD1		SQ	SW8260B	Acetone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115599-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115566-BS1		SQ	SW8270C	Aniline	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0587	B115566-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-04, V-06	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	15B0587-01	2/18/2015	SO	SW8270C	2,4-Dinitrophenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115566-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-04, V-20	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	15B0587-01	2/18/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BS1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BS1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BS1		SQ	SW8270C	Butyl benzylphthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BS1		SQ	SW8270C	Di-n-octyl phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BSD1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BSD1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BSD1		SQ	SW8270C	Butyl benzylphthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	B115566-BSD1		SQ	SW8270C	Di-n-octyl phthalate	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15B0587	15B0587-01	2/18/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	15B0587-01	2/18/2015	SO	SW8270C	Butyl benzylphthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	15B0587-01	2/18/2015	SO	SW8270C	Di-n-octyl phthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115566-BLK1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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15B0587	B115566-BLK1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115566-BLK1		SQ	SW8270C	Butyl benzylphthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0587	B115566-BLK1		SQ	SW8270C	Di-n-octyl phthalate	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0619	15B0619-01	2/11/2015	W	SW6010R	Lead	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0619	B115938-MS1		W	SW6010R	Lead	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0624	15B0624-01	2/7/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0624	15B0624-01	2/7/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0625	15B0625-01	2/7/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0625	15B0625-01	2/7/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0626	15B0626-01	2/19/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	p-Bromofluorobenzene	S-03	Surrogate recovery outside of control limits due to suspected sample matrix interference.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,1,1,2-Tetrachloroethane	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,1,2,2-Tetrachloroethane	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,2,3-Trichloropropane	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,2,4-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,2-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,3,5-Trimethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,3-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,4-Dichlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	1,4-Dichlorobenzene-d4	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	2-Chlorotoluene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	2-Phenylbutane (sec-Butylbenzene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	4-Chlorotoluene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Bromobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Bromoform	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Chlorobenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Cymene (p-Isopropyltoluene)	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Ethylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Hexachlorobutadiene	V-17	Internal standard area <50% of associated calibration standard internal standard area.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Isopropylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	m,p-Xylenes	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Naphthalene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	n-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	n-Propylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	o-Xylene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	Styrene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01RE1	2/19/2015	SO	SW8260B	tert-Butylbenzene	V-17	Internal standard area <50% of associated calibration standard internal standard area.
15B0626	15B0626-01	2/19/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0626	15B0626-01	2/19/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BLK1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BLK1		SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BS1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BS1		SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BSD1		SQ	SW8260B	2,2-Dichloropropane	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BSD1		SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115675-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115675-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115675-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115675-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115707-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0628	B115707-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115707-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115707-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115707-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115707-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0628	B115675-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0628	B115675-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0628	15B0628-01	2/19/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0628	15B0628-05	2/12/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0628	B115675-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BLK1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BS1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0628	B115707-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	B115707-BSD1		SQ	SW8260B	Carbon tetrachloride	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-01	2/19/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	15B0628-04	2/19/2015	SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	15B0628-05	2/12/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115675-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115675-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115675-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115707-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115707-BLK1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115707-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115707-BS1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115707-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115707-BSD1		SQ	SW8260B	Tetrahydrofuran	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0628	B115675-BS1		SQ	SW8260B	Acetone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0628	B115675-BSD1		SQ	SW8260B	Acetone	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0628	B115663-BS1		SQ	SW8270C	Aniline	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0628	15B0628-01	2/19/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0628	15B0628-01	2/19/2015	SO	SW8270C	Benzo(g,h,i)perylene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

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15B0706	B115790-BS1		SQ	SW8260B	Carbon disulfide	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0706	B115790-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0706	B115790-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0706	B115790-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0706	B115790-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0706	B115790-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0706	B115790-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	1,2,3-Trichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	1,2-Dichloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	1,2,3-Trichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	1,2-Dichloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0706	15B0706-04	2/20/2015	SQ	SW8260B	Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	1,2,3-Trichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	1,2-Dichloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BLK1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	1,2,3-Trichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	1,2-Dichloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0706	B115790-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BS1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	1,2,3-Trichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	1,2-Dichloroethane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	Ethyl Ether	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115790-BSD1		SQ	SW8260B	trans-1,3-Dichloropropene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0706	15B0706-04	2/20/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0706	B115790-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0706	B115790-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0706	B115790-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0706	B115860-BS1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	15B0706-01	2/20/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115860-BLK1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0706	B115860-BSD1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW6010B	Chromium	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated

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15B0741	15B0741-01	2/23/2015	SO	SW6010B	Selenium	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0741	15B0741-01	2/23/2015	SO	SW6010B	Silver	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0741	B115872-MS1		SO	SW6010B	Chromium	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0741	B115872-MS1		SO	SW6010B	Selenium	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0741	B115872-MS1		SO	SW6010B	Silver	MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
15B0741	15B0741-01	2/23/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0741	15B0741-01	2/23/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side
15B0741	15B0741-01	2/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-04	2/23/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0741	15B0741-01	2/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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15B0741	15B0741-04	2/23/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0741	15B0741-01	2/23/2015	SO	SW8270C	Pentachlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15B0741	B115861-MS1		SO	SW8270C	Pentachlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15B0741	B115861-MSD1		SO	SW8270C	Pentachlorophenol	MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated
15B0741	15B0741-01	2/23/2015	SO	SW8270C	2,4-Dinitrophenol	MS-09, V-04	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0741	B115861-MS1		SO	SW8270C	2,4-Dinitrophenol	MS-09, V-04	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0741	B115861-MSD1		SO	SW8270C	2,4-Dinitrophenol	MS-09, V-04	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated. Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0741	15B0741-01	2/23/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0741	15B0741-01	2/23/2015	SO	SW8270C	Di-n-octyl phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0741	15B0741-01	2/23/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0742	B115872-BSD1		SQ	SW6010B	Arsenic	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	B115872-BSD1		SQ	SW6010B	Barium	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	B115872-BSD1		SQ	SW6010B	Cadmium	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	B115872-BSD1		SQ	SW6010B	Chromium	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	B115872-BSD1		SQ	SW6010B	Lead	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	B115872-BSD1		SQ	SW6010B	Selenium	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	B115872-BSD1		SQ	SW6010B	Silver	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0742	B115875-BLK1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0742	B115875-BS1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0742	B115875-BSD1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0742	B115875-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0742	B115875-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0742	B115875-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side
15B0742	B115875-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side
15B0742	B115875-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-05, L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	R-05, V-05, L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
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BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0742	B115875-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BS1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BSD1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	B115875-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0742	15B0742-01	2/23/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0742	B115875-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0742	B115875-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0742	B115875-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0742	15B0742-01	2/23/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	15B0742-01	2/23/2015	SO	SW8270C	Di-n-octyl phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	B115861-BLK1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	B115861-BLK1		SQ	SW8270C	Di-n-octyl phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	B115861-BS1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	B115861-BS1		SQ	SW8270C	Di-n-octyl phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	B115861-BSD1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	B115861-BSD1		SQ	SW8270C	Di-n-octyl phthalate	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0742	15B0742-01	2/23/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0742	B115861-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0742	B115861-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15B0742	B115861-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0758	15B0758-01	2/11/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0758	15B0758-01	2/11/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0759	15B0759-01	2/11/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0759	15B0759-01	2/11/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0760	15B0760-01	2/11/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15B0760	15B0760-02	2/11/2015	SO	SW8082	Aroclor-1242 (PCB-1242)	O-04, P-04, V-24	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard. Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0760	15B0760-02	2/11/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0762	15B0762-02	2/11/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0762	15B0762-02	2/11/2015	SO	SW8082	Aroclor-1254 (PCB-1254)	P-04, V-24	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported. Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
15B0789	15B0789-01	2/12/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0789	15B0789-01	2/12/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0830	15B0830-01	2/25/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0830	15B0830-01	2/25/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0830	15B0830-01	2/25/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0830	15B0830-01	2/25/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0830	15B0830-01	2/25/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0830	15B0830-01	2/25/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0830	15B0830-01	2/25/2015	SO	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0832	15B0832-01	2/25/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0832	B116004-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0832	B116004-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0832	B116004-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0832	B116004-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0832	B116004-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	15B0832-01	2/25/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0832	15B0832-04	2/25/2015	SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0832	B116004-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15B0832	15B0832-01	2/25/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	15B0832-01	2/25/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	15B0832-01	2/25/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	15B0832-04	2/25/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	15B0832-04	2/25/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	15B0832-04	2/25/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0832	B116004-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0832	15B0832-01	2/25/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0832	15B0832-04	2/25/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0832	B116004-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0832	B116004-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0832	B116004-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0832	15B0832-01	2/25/2015	SO	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0832	B115992-BLK1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0832	B115992-BS1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0832	B115992-BSD1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0849	15B0849-01	2/26/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0849	15B0849-01	2/26/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0849	15B0849-01	2/26/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0849	15B0849-02	2/26/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0849	15B0849-02	2/26/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0849	15B0849-02	2/26/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0849	15B0849-01	2/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0849	15B0849-02	2/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0849	15B0849-01	2/26/2015	SO	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0849	15B0849-02	2/26/2015	SO	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0849	15B0849-02	2/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0851	15B0851-01	2/26/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0851	15B0851-01	2/26/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0851	15B0851-01	2/26/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0851	15B0851-01	2/26/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0851	15B0851-01	2/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0851	15B0851-01	2/26/2015	SO	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0851	15B0851-01	2/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0852	B116047-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0852	B116047-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15B0852	15B0852-03	2/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0852	15B0852-03	2/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0852	B116074-BS1		SQ	SW8260B	Vinyl chloride	L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria.
15B0852	B116074-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0852	B116074-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0852	B116074-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0852	B116074-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0852	B116074-BS1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BSD1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-01	2/26/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-01	2/26/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-01	2/26/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-06	2/26/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-06	2/26/2015	SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-06	2/26/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0852	B116074-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	B116074-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0852	15B0852-01	2/26/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0852	15B0852-06	2/26/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0852	B116074-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0852	B116074-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0852	B116074-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0852	15B0852-01	2/26/2015	SO	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0852	B116050-BLK1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0852	B116050-BS1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0852	B116050-BSD1		SQ	SW8270C	3,3'-Dichlorobenzidine	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0852	15B0852-01	2/26/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0900	15B0900-01	2/27/2015	SO	SW6010B	Silver	DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s)
15B0900	15B0900-01	2/27/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0900	15B0900-01	2/27/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0900	15B0900-02	2/27/2015	SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0900	15B0900-01	2/27/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-01	2/27/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-01	2/27/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-01	2/27/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-01	2/27/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0900	15B0900-02	2/27/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-02	2/27/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-02	2/27/2015	SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-02	2/27/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-02	2/27/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0900	15B0900-01	2/27/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0900	15B0900-02	2/27/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0900	15B0900-01	2/27/2015	SO	SW8270C	2,4,6-Tribromophenol	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0900	15B0900-01	2/27/2015	SO	SW8270C	Nitrobenzene-D5	S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
15B0901	15B0901-01	2/27/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0901	15B0901-01	2/27/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0901	15B0901-02	2/27/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0901	15B0901-02	2/27/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0904	15B0904-01	2/27/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0904	15B0904-01	2/27/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15B0908	15B0908-01	2/27/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0908	B116147-BLK1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0908	B116147-BSD1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0908	B116147-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15B0908	B116147-BS1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15B0908	B116147-BSD1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0908	B116147-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15B0908	15B0908-01	2/27/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	15B0908-01	2/27/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	15B0908-01	2/27/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	15B0908-01	2/27/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	15B0908-01	2/27/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	B116147-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ATTACHMENT E
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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15B0908	B116147-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15B0908	15B0908-01	2/27/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0908	B116147-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0908	B116147-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15B0908	B116147-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0016	B116194-MS1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15C0016	B116194-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15C0016	B116194-MSD1		SO	SW8082	Aroclor-1016 (PCB-1016)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15C0016	B116194-MSD1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15C0016	15C0016-01	2/18/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0016	15C0016-01	2/18/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0016	15C0016-02	2/18/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0016	15C0016-02	2/18/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0027	15C0027-01	3/2/2015	SO	SW6010B	Lead	M-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side
15C0027	15C0027-01	3/2/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

ATTACHMENT E
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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0027	15C0027-01	3/2/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0027	15C0027-05	3/2/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0027	15C0027-01	3/2/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0027	15C0027-01	3/2/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15C0027	15C0027-01	3/2/2015	SO	SW8270C	Indeno(1,2,3-cd)pyrene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0027	15C0027-01	3/2/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0027	15C0027-01	3/2/2015	SO	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0029	15C0029-01	3/2/2015	SO	SW6010B	Lead	M-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side
15C0029	15C0029-05	3/2/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0029	15C0029-05	3/2/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0029	15C0029-01	3/2/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0029	15C0029-01	3/2/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0029	15C0029-01	3/2/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0029	15C0029-01	3/2/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15C0029	15C0029-01	3/2/2015	SO	SW8270C	Indeno(1,2,3-cd)pyrene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0029	15C0029-01	3/2/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

ATTACHMENT E
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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0029	15C0029-01	3/2/2015	SO	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	15C0030-01	3/2/2015	SO	SW6010B	Lead	M-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side
15C0030	15C0030-01	3/2/2015	SO	SW8100	o-Terphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0030	15C0030-01	3/2/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116231-BLK1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116231-BS1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116231-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0030	B116231-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0030	B116231-BSD1		SQ	SW8260B	Acetone	L-14, R-05, L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound. Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	B116231-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	2-Hexanone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	B116231-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14, V-20	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0030	B116231-BLK1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	B116231-BLK1		SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	B116231-BLK1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	B116231-BS1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	B116231-BS1		SQ	SW8260B	2-Hexanone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	B116231-BS1		SQ	SW8260B	Acetone	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	B116231-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0030	15C0030-01	3/2/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0030	B116231-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0030	B116231-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0030	B116231-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

ATTACHMENT E
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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0030	15C0030-01	3/2/2015	SO	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116196-BLK1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116196-BS1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	B116196-BSD1		SQ	SW8270C	Aniline	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0030	15C0030-01	3/2/2015	SO	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15C0030	B116196-BLK1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15C0030	B116196-BS1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15C0030	B116196-BSD1		SQ	SW8270C	2,4-Dinitrophenol	V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
15C0030	15C0030-01	3/2/2015	SO	SW8270C	Indeno(1,2,3-cd)pyrene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	B116196-BS1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	B116196-BS1		SQ	SW8270C	Hexachlorobutadiene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	B116196-BS1		SQ	SW8270C	Indeno(1,2,3-cd)pyrene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	B116196-BSD1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	B116196-BSD1		SQ	SW8270C	Hexachlorobutadiene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	B116196-BSD1		SQ	SW8270C	Indeno(1,2,3-cd)pyrene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0030	15C0030-01	3/2/2015	SO	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	15C0030-01	3/2/2015	SO	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	B116196-BLK1		SQ	SW8270C	3,3'-Dichlorobenzidine	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	B116196-BLK1		SQ	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0030	B116196-BLK1		SQ	SW8270C	Indeno(1,2,3-cd)pyrene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0071	B116306-MS1		SO	SW8082	Aroclor-1260 (PCB-1260)	MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
15C0074	15C0074-02	2/23/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0074	15C0074-02	2/23/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0078	15C0078-06	3/3/2015	SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	15C0078-06	3/3/2015	SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

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15C0078	15C0078-06	3/3/2015	SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BLK1		SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BLK1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BLK1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BS1		SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BS1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BSD1		SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BSD1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0078	B116381-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0078	B116381-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0078	B116381-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	15C0078-06	3/3/2015	SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	15C0078-06	3/3/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	15C0078-06	3/3/2015	SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0078	B116381-BS1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BSD1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	B116381-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0078	15C0078-06	3/3/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0078	B116381-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0078	B116381-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0078	B116381-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0080	15C0080-01	3/3/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0080	15C0080-01	3/3/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0080	15C0080-01	3/3/2015	SO	SW8260B	Dichlorodifluoromethane (CFC-12)	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0080	15C0080-01	3/3/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0080	15C0080-01	3/3/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0080	15C0080-01	3/3/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0080	15C0080-01	3/3/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0080	15C0080-01	3/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0124	15C0124-01	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0124	15C0124-01	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0124	15C0124-01	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0124	15C0124-01	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0127	15C0127-01	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0127	15C0127-02	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0127	15C0127-01	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0127	15C0127-01	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0127	15C0127-01	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0127	15C0127-02	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0148	15C0148-01	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0148	15C0148-02	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0148	15C0148-01	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0148	15C0148-01	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0148	15C0148-01	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0148	15C0148-02	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	15C0150-01	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0150	15C0150-02	3/4/2015	SO	SW6010B	Lead	M-12	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the low side
15C0150	15C0150-03	3/4/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0150	15C0150-03	3/4/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0150	15C0150-01	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

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15C0150	15C0150-06	3/4/2015	SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	Carbon disulfide	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	Vinyl chloride	L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	Naphthalene	L-04, V-05	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	L-07, V-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD between the two LFB/LCS results is within method specified criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
15C0150	B116494-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

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15C0150	B116494-BSD1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0150	B116494-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, R-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0150	B116494-BS1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	Chloromethane (Methyl Chloride)	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0150	B116494-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0150	15C0150-02	3/4/2015	SO	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BLK1		SQ	SW8260B	Chloromethane (Methyl Chloride)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BS1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0150	B116494-BS1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	1,2-Dibromo-3-chloropropane (DBCP)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	2,2-Dichloropropane	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	B116494-BSD1		SQ	SW8260B	2-Butanone (Methyl Ethyl Ketone)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0150	15C0150-01	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	15C0150-02	3/4/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	15C0150-06	3/4/2015	SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	B116494-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	B116494-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	B116494-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0150	B116494-BS1		SQ	SW8260B	Chlorobenzene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0150	B116494-BSD1		SQ	SW8260B	Chlorobenzene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0179	15C0179-01	2/25/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0179	15C0179-01	2/25/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0181	15C0181-01	2/25/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0181	15C0181-01	2/25/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0232	15C0232-01	2/27/2015	W	SW6010R	Lead	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15C0232	B116657-MS1		W	SW6010R	Lead	MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated
15C0232	15C0232-01	2/27/2015	SO	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15C0232	B116549-MS1		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15C0232	B116549-MS3		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15C0232	B116549-MSD1		W	SW7196A	Chromium VI (Hexavalent)	MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.
15C0334	15C0334-01	2/26/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15C0334	15C0334-02	2/26/2015	SO	SW8082	Aroclor-1248 (PCB-1248)	O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
15C0334	15C0334-01	2/26/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences

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15C0334	15C0334-01	2/26/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0515	15C0515-01	3/2/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0515	15C0515-01	3/2/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0527	15C0527-01	3/3/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0527	15C0527-01	3/3/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0527	15C0527-02	3/3/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0527	15C0527-02	3/3/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0527	15C0527-03	3/3/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0527	15C0527-03	3/3/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0529	15C0529-01	3/4/2015	SO	SW8082	(PCB 209) Decachlorobiphenyl	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0529	15C0529-01	3/4/2015	SO	SW8082	Tetrachloro-m-xylene	S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences
15C0904	15C0904-01	3/3/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15C0904	B117979-BSD1		SQ	SW8260B	Chloroethane	L-07A, RL-05	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	B117979-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14, RL-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	B117979-BS1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BSD1		SQ	SW8260B	Acetone	L-14, V-05	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8260B	Bromomethane (Methyl Bromide)	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	15C0904-01	3/3/2015	SO	SW8260B	Chloroethane	R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	B117979-BLK1		SQ	SW8260B	Bromomethane (Methyl Bromide)	RL-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	B117979-BLK1		SQ	SW8260B	Chloroethane	RL-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	B117979-BS1		SQ	SW8260B	Chloroethane	RL-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	B117979-BSD1		SQ	SW8260B	Bromomethane (Methyl Bromide)	RL-05, L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within the limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound. Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
15C0904	15C0904-01	3/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0904	15C0904-01	3/3/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	B117979-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0904	B117979-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0904	B117979-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0904	B117979-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0904	15C0904-01	3/3/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8270C	Butyl benzylphthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0904	15C0904-01	3/3/2015	SO	SW8270C	2,4-Dinitrotoluene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0904	15C0904-01	3/3/2015	SO	SW8270C	4-Nitrophenol	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0904	15C0904-01	3/3/2015	SO	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	15C0905-01	3/3/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
15C0905	15C0905-02	3/3/2015	SO	SW6010B	Lead	B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

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Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0905	B117975-BS1		SQ	SW8260B	Bromomethane (Methyl Bromide)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0905	B117975-BS1		SQ	SW8260B	Dichlorodifluoromethane (CFC-12)	L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
15C0905	15C0905-01	3/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-01	3/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-01	3/3/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-01	3/3/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BLK1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BLK1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BLK1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BLK1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BS1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BS1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BS1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BS1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BSD1		SQ	SW8260B	1,2,3-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BSD1		SQ	SW8260B	1,2,4-Trichlorobenzene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BSD1		SQ	SW8260B	Acetone	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117975-BSD1		SQ	SW8260B	Naphthalene	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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15C0905	15C0905-01	3/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0905	15C0905-02	3/3/2015	SO	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0905	B117975-BLK1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0905	B117975-BS1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0905	B117975-BSD1		SQ	SW8260B	1,4-Dioxane	V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
15C0905	15C0905-01	3/3/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-01	3/3/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-01	3/3/2015	SO	SW8270C	Butyl benzylphthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8270C	2,2'-oxybis(2-Chloropropane)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8270C	bis(2-Ethylhexyl)phthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	15C0905-02	3/3/2015	SO	SW8270C	Butyl benzylphthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BLK1		SQ	SW8270C	2,2'-oxybis(2-Chloropropane)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BLK1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BLK1		SQ	SW8270C	Butyl benzylphthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BS1		SQ	SW8270C	2,2'-oxybis(2-Chloropropane)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BS1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BS1		SQ	SW8270C	Butyl benzylphthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BSD1		SQ	SW8270C	2,2'-oxybis(2-Chloropropane)	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BSD1		SQ	SW8270C	bis(2-Ethylhexyl)phthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BSD1		SQ	SW8270C	Butyl benzylphthalate	V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
15C0905	B117918-BS1		SQ	SW8270C	2,4-Dinitrotoluene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0905	B117918-BS1		SQ	SW8270C	4-Nitrophenol	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0905	B117918-BS1		SQ	SW8270C	Hexachlorobutadiene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

ATTACHMENT E
SUMMARY OF ANALYTICAL DATA QC NON-CONFORMANCES
BOSTON CONVENTION & EXHIBITION CENTER
PHASE 2 WEST OF C STREET
BOSTON, MASSACHUSETTS

Lab Report	Lab Sample ID	Date Sampled	Matrix	Analytical Method	Parameter	Lab Remark	
15C0905	B117918-BSD1		SQ	SW8270C	2,4-Dinitrotoluene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0905	B117918-BSD1		SQ	SW8270C	4-Nitrophenol	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0905	B117918-BSD1		SQ	SW8270C	Hexachlorobutadiene	V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
15C0905	15C0905-01	3/3/2015	SO	SW8270C	2,4-Dinitrotoluene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	15C0905-01	3/3/2015	SO	SW8270C	4-Nitrophenol	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	15C0905-01	3/3/2015	SO	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	15C0905-02	3/3/2015	SO	SW8270C	2,4-Dinitrotoluene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	15C0905-02	3/3/2015	SO	SW8270C	4-Nitrophenol	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	15C0905-02	3/3/2015	SO	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	B117918-BLK1		SQ	SW8270C	2,4-Dinitrotoluene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	B117918-BLK1		SQ	SW8270C	4-Nitrophenol	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
15C0905	B117918-BLK1		SQ	SW8270C	Hexachlorobutadiene	V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

APPENDIX E

Ambient Air Monitoring Plan

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1. Introduction

Haley & Aldrich, Inc. (Haley & Aldrich) has prepared this Ambient Air Monitoring Plan (AAMP) as an Appendix to the Toxic Substances Control Act (TSCA) Work Plan for the Phase 2 area of the Boston Convention & Exhibition Center (BCEC) located in Boston, Massachusetts (hereafter referred to as the "Site"). The limits of the Site are more specifically described in Section 1 of the TSCA Work Plan.

The objective of this AAMP is to establish the requirements, methods, and ambient air monitoring activities planned during proposed remediation activities at the Site. Haley & Aldrich has developed and will implement this site-specific AAMP.

Although it is anticipated that planned control measures will be adequate to protect public health during the proposed remediation activities, this evaluation is intended to assess hypothetical exposures to potentially sensitive receptors in the vicinity of the Site under the assumption that such control measures are not in place. Specifically, this AAMP identifies the circumstances under which remedial activities taking place on-site should be modified or engineering controls (e.g., dust suppression) should be implemented.

Health and safety monitoring for on-site personnel is not addressed in this AAMP. Health and safety monitoring for on-site personnel is provided in the site-specific Health and Safety Plans (HASPs) developed by the Contractor and Haley & Aldrich for their respective personnel.

The AAMP was developed to support the activities described in the TSCA Work Plan. The AAMP uses references to information, data, and figures that are contained in the aforementioned TSCA Work Plan.

The risk approach taken in this AAMP to derive air monitoring action levels follows both MassDEP and USEPA risk assessment guidance and is inclusive of the requirements under both programs. Compounds of Concern (COC) selection was conducted using MassDEP methodology and did not use risk-based screening levels (e.g., RSLs). However, this imparts a conservative bias on the establishment of action levels since it retains more constituents as COC than would otherwise be retained.

1.1 PURPOSE OF AAMP

Remediation is planned for the Site and will consist of the localized excavation and off-site disposal of soil containing the highest concentrations of PCBs (between 500 and 11,000 mg/kg) to achieve TSCA closure with the placement of a cap on certain portions of the Site and implementation of a deed restriction. In addition, hot spots consisting of elevated lead concentrations will be excavated to achieve a Permanent Solution with Conditions for RTN 3-16211. It is estimated that approximately 8,800 cy of soil could be excavated off-site as part of remediation. Potential emissions of airborne particulate matter (dust) may occur when impacted soils are excavated or otherwise disturbed. Site excavation and loading of impacted soils onto trucks for off-site disposal may have the potential to impact ambient air at the Site.

This document establishes a work plan for evaluating fugitive emissions at the Site in real time and identifying circumstances when remedial activities taking place on-site should be modified or engineering controls (e.g., dust suppression) should be implemented. As described in the TSCA Work plan and as documented in this AAMP, the constituents of concern in soil that will be excavated are

PCBs and, to a lesser extent, metals. VOCs in soil to be excavated (and throughout the Site) were detected at low frequency and concentration, and are not considered to be a potential concern for volatilization to the air at and downwind of the Site. Therefore, it is not necessary for this AAMP to address volatile emissions.

Perimeter air monitoring will be conducted by Haley & Aldrich during the above mentioned construction activities to monitor potential dust concentrations. Mitigation measures to control potential dust concentrations and respective action levels are described herein. The Contractor will be responsible for monitoring worker exposures within the work zone and implementing measures to reduce dust if the perimeter action levels are exceeded or to meet contractor-defined action levels for workers within the work zone.

2. Action Levels and Field Response Actions

2.1 SCHEDULE FOR AIR MONITORING

Air monitoring will occur at the Site during excavation and truck loading of impacted soil. Based on the preliminary construction schedule for Site work, the anticipated duration of air monitoring for remedial activities is approximately 6 months.

Programmatic ambient air quality monitoring, as outlined by this AAMP, is not anticipated to be necessary during Site activities conducted after soil excavations and soil management activities are completed. Perimeter air monitoring is not planned during non-working hours (nights and weekends) because soils will not be disturbed during those times.

2.1.1 Daily Monitoring

Monitoring of dust at the perimeter of the Site will be conducted using real-time field screening instruments. Specific sampling and locations will be evaluated and updated as needed based on remedial activities and weather conditions.

2.2 SUMMARY

An action level for fugitive dust that may be generated during the remedial activities was identified as the lower of the following:

1) The USEPA National Ambient Air Quality Standard (NAAQS) value for particulate matter of less than 10 microns in diameter (PM_{10}) of 150 µg/m^3. The NAAQS PM_{10} represents the maximum permissible concentration of dust that is allowed in the air, regardless of any specific compounds that are within the dust (for example, if clean beach sand was being excavated the NAAQs PM_{10} of 150 µg/m^3 would apply to the sand).
2) The concentration of PM_{10} that would be associated with a Condition of No Significant Risk of harm to human health, as defined by the MassDEP. The risk-based PM_{10} concentration represents the maximum permissible concentration of dust that could contain compounds of concern (COCs) in the soil and be associated with cancer and non-cancer risk that do not exceed MassDEP's cumulative risk limits specified at 310 CMR 40.0900.

To determine the risk-based PM_{10} action level, a two-step procedure was used. In Step 1, cumulative risks were calculated for a hypothetical exposure to dust, and in Step 2, a PM_{10} concentration associated with No Significant Risk was derived.

2.2.1 Cumulative Risk Calculation

Soil data representative of soil that will be disturbed during remediation activities at the Site are provided in Table 1, and are shown in Figure 13 of the TSCA Work plan.

2.2.1.1 Selection of Compounds of Concern

The applicable soil data were reviewed in order to identify COC for this evaluation. Compounds of concern are defined as those compounds that are potentially related to the Site and for which data are of sufficient quality for use in a quantitative Risk Characterization. MassDEP Risk Characterization

guidance indicates that all constituents detected in Site media should be retained as COC unless they are:

- present at concentrations that are consistent with background concentrations;
- detected at low concentration and low frequency; or
- laboratory contaminants.

The maximum detected levels of metals and polycyclic aromatic hydrocarbons (PAHs) in soil were compared to available Massachusetts Department of Environmental Protection (MassDEP) background values for natural soil from the MassDEP's Technical Update "Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil," dated 23 May 2002, to determine if any of the metals of PAHs could be eliminated from further evaluation. No PAHs and metals were eliminated as compounds of concern based on this comparison.

In addition, per MassDEP 1995 Risk Guidance, several VOCs were not considered COC because they were detected with low frequency and at low concentrations. The criteria for determining that a constituent is present at low frequency and concentration are as follows:

- Low frequency: detected in 1 or 2 samples out of dataset of 10-20 or detected in less than 5% in a dataset greater than 20
- Low concentration: approximately an order of magnitude below the Reportable Concentration.
- Compounds eliminated due to low frequency and at low concentrations are: 1,2,4-trimethylbenzene, 1,3,5-trichlorobenzene, benzene, chloroform, cymene, ethylbenzene, Isopropylbenzene, methylene chloride, m, p- and o- Xylenes, tetrachloroethene, 1,2-dichlorobenzene, 2-chloronapthalene, 2-methylphenol, 3&4-methylphenol, acetophenone, aniline, butyl benzylphthalate, diethyl phthalate, di-n-butylphthalate, and n-nitrosodiphenylamine.

MassDEP considers EPH to provide a better characterization of hydrocarbon chemistry. Therefore, TPH data was converted into EPH carbon ranges based on Site EPH data. The TPH value was converted into the EPH carbon ranges using the following compositions: 42% assigned to C11-C22 aromatics, 45% assigned to C19-C36 aliphatics, and 13% assigned to C9-C18 aliphatics. Because EPH data were available and TPH values were converted to TPH, TPH was not evaluated further.

A summary of the soil data that is representative of soil that is planned to be disturbed during construction is provided in Table 2. Accordingly, COC for dust monitoring include VOC, SVOCs, metals, EPH, VPH, and polychlorinated biphenyls. It is assumed that these COC may potentially be entrained in fugitive dust (particulate) in air during remedial activities.

It is noted that the process described above does not use risk-based screening levels (e.g., RSLs) and therefore retains more constituents as COC that would otherwise be retained. This imparts a conservative bias on the establishment of action levels.

2.2.1.2 Exposure Point Concentrations

Calculating EPCs for soil-derived dust requires identification of the COC concentration in the soil that is the source of the dust (i.e., the concentration of the COC that will be within the air-borne dust), and modeling of the migration of soil to air-borne dust (i.e., the particulate concentration of dust in the air that will result from the remedial activities).

Soil EPCs

Evaluation of the soil data set indicated elevated levels of several compounds (specifically 1,2,3-trichlorobenzene, 1,4-dichlorobenzene, chlorobenzene, 1,2,4-trichlorobenzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, naphthalene, total PCBs, antimony, barium, lead, mercury, zinc, C9-C10 aromatics, and EPH) are present in some remediation areas at the Site. Due to the variability in the levels and spatial distribution of these compounds, the 95th UCL was used as the EPC for those compounds. The 95th UCL was calculated using ProUCL software (V.5.1). ProUCL output documentation is presented as Attachment B. The EPCs for the remaining COC were identified as the arithmetic average levels of COC. Overall, the arithmetic average levels of the remaining constituents detected in the soil samples within the limits of remediation activities are considered to be representative of the soil concentrations that could be sources of fugitive dust emissions and thus were considered appropriate for use as EPCs. Arithmetic average concentrations were calculated assuming that non-detect values were present at one-half the sample quantification level. Soil EPCs are summarized in Table 2.

Air (Dust) EPCs

To derive air concentrations of COC in dust, the soil EPCs described above were assumed to be representative of the COC concentrations in particulate (dust) that may be generated by remedial activities. It was assumed that the dust concentration that would exist in the air during the remedial activities would be 60 $\mu g/m^3$, which is the MassDEP default PM10 concentration that is used to evaluate particulate dust inhalation exposures to construction workers engaged in soil excavation activities. The soil EPCs were multiplied by the PM10 concentration of 60 ug/m^3 to derive COC concentrations in dust.

2.2.1.3 Cumulative Risk

Cumulative risks for inhalation exposures to fugitive dust were calculated based on the conservative assumption that nearby, off-site adult and child residents would be exposed to the dust for the duration of the remedial activities, and would inhale fugitive dust containing COC that was hypothetically released from soil during the remedial activities. Since the areas being remediated will be closed to those not associated with the remediation work, nearby receptors will not be present within those areas during remediation. However, deriving the risk-based PM_{10} value to be protective for residential populations ensures that a condition of No Significant Risk will be maintained for nearby commercial properties, pedestrians, and passers-by. Cumulative risks were calculated by A) deriving concentrations in dust to which receptors could hypothetically be exposed (i.e., deriving the exposure point concentration (EPC) for each COC in dust) (described above); B) estimating the amount of exposure to the dust that could occur for each receptor; and C) combining the estimate of exposure with toxicity values to derive estimates of health risk for carcinogenic and non-carcinogenic effects.

Exposure factors for residents were selected based on MassDEP guidance and site-specific information. Based on the remediation plan, it was assumed that remedial activities that could result in exposure to impacted soils at the Site would occur five days per week over a 6 month period for a total of approximately 129 work days out of a 180 day duration (including weekends). In addition, exposure to fugitive dust was assumed to occur for 12 hours per day (e.g., to allow for potential after hours exposure to fugitive dust emissions). The exposure factors used in the risk calculations are included in Attachment A.

The exposure pathways used to quantify intake to COC in dust were inhalation exposure (inhaling dust into the lung with subsequent absorption of COC through lung tissue) and ingestion of respirable

particulates (swallowing particulates that may be expelled from the lung with subsequent absorption of COC through the gastrointestinal tract).

Estimation of a receptor's exposure to Site contaminants involves assessment of the amount of material in contact with the receptor and the amount of material available for absorption into the body. This assessment is achieved through the calculation of an average daily dose (ADD) for each COC and each route of exposure.

To calculate risks, the ADD values were compared with appropriate noncancer toxicity values (Reference Dose or RfD, Reference Concentration of RfC) to derive numerical estimates of the noncarcinogenic risk, referred to as a Hazard Index (HI). RfDs and RfCs used to calculate risks were selected as values applicable to subchronic exposure periods (exposures lasting less than 7 years in duration) because the remedial activities are anticipated to occur over a 6-month period. The ADD values were multiplied by the appropriate cancer toxicity values (Cancer Slope Factor or CSF, Unit Risk or UR) to derive numerical estimates of excess lifetime cancer risk (ELCR). Toxicity values used in these risk calculations are shown in Attachment A and are generally consistent with values published by MassDEP and USEPA and used by MassDEP to develop the MCP Numerical Standards.

The cumulative risks were calculated by summing the HI and ELCR values for all COCs, to derive cumulative cancer and cumulative non-cancer risks. Calculations of cumulative receptor risk for adult residents are included as Attachment A. A summary of the Total Site Risk Estimates is presented in Table 3.

As shown in Table 3, the cumulative receptor HI value for an adult resident is 0.2 and the cumulative receptor cancer risk for an adult resident is 6×10^{-8}. The cumulative receptor HI value for a child resident is 0.2 and the cumulative receptor cancer risk for a child resident is 4×10^{-8} (cancer risks are not summed among child and adult residents because the total exposure period is only 6 months). The MCP states that the cumulative receptor cancer risk limit is an excess lifetime cancer risk of 1 in 100,000 (1×10^{-5}) and the cumulative receptor non-cancer risk limit is a hazard index (HI) of 1. The calculated risk levels indicate that a hypothetical 6 month, 12-hour per day, exposure to a PM_{10} dust concentration of 60 $\mu g/m^3$ that contains COC in soil at the Site would result in risk levels for non-cancer or cancer risk below the MCP cumulative receptor risk limits. These risks are also consistent with the USEPA risk thresholds of an HI of 1 and a cancer risk of between 1E-06 and 1E-04.

2.2.2 Identification of Dust Action Level

Based on the calculated risk levels, a site-specific risk-based action level for fugitive dust (as a PM_{10} concentration) was identified for the Site as 60 ug/m^3. This dust concentration is associated with risks that do not exceed MCP and USEPA risk limits.

As discussed previously, the application of the NAAQS for PM_{10} of 150 $\mu g/m^3$ for a 24-hour period of exposure is a requirement during monitoring. Because the risk-based action level for PM_{10} is less than the NAAQS for PM_{10}, the risk-based value of 60 $\mu g/m^3$ is used as the dust action level during remedial activities. This value is protective of public health and ensures compliance with the particulate air standard.

The Dust Action Level of 60 $\mu g/m^3$ will be used by on-site personnel during monitoring of ambient air as the maximum allowable concentration that is protective of receptors at and in the vicinity of the Site.

This value effectively serves as the Action Level for implementing a reassessment of remedial activities or for implementation of fugitive emissions controls.

3. Air Monitoring Systems and Procedures

Environmental perimeter air monitoring will be conducted during excavation activities of impacted soils to screen for dust concentrations in ambient air. This AAMP provides response and action levels which have been derived to guide mitigation measures and preclude potential unacceptable exposures to the general public.

3.1 MONITORING EQUIPMENT

Potential dust concentrations in ambient/outdoor air during the activities described herein will be screened using a TSI Inc. Model 8530 DustTrak II Aerosol Monitor instrument (or analogous). The monitor will be used to determine the concentrations total inhalable and respirable particulates (PM10) in ambient air. The detection limit for aerosol concentration for the DustTrak II instrument is 1 $\mu g/m^3$, which is more than an order of magnitude below the site-specific action level of 60 $\mu g/m^3$.

3.2 PERIMETER AIR MONITORING LOCATIONS

Ambient air samples will be collected from the perimeter of the Site. Locations will be evaluated and updated as needed based on the nature and intensity of remedial construction activities, and/or weather conditions. Monitoring locations will be documented daily in the field activity logbook.

3.3 SAMPLING PROCEDURES

Real time monitoring will be used to evaluate daily conditions at the Site and to identify and respond to unacceptable short-term impacts to ambient air quality due to remedial activities, if any.

In order to obtain real-time data, air samples will be collected using the following approach:

- Dust monitoring will be conducted, at a minimum, when intrusive soil activities (e.g., excavation, backfilling) are being conducted, or when generation of fugitive dust from impacted soils could potentially occur.

- Sustained average concentrations of PM_{10} in ambient air greater than 60 $\mu g/m^3$ for periods of 30 minutes will require implementation of engineering controls or modification of work activity to reduce dust levels until the sustained average concentration of PM_{10} in ambient air is less than the action level (60 $\mu g/m^3$) for a period of air monitoring no less than 20 minutes.

- Documentation for each day of remedial activities will include meteorological observations, observations of dust and work zone monitoring conditions. Additional field screening locations may be established if needed to evaluate potential fugitive emissions associated with specific circumstances of meteorological conditions and remedial action activities.

4. Mitigation measures

In order to limit or decrease potential dust concentrations in ambient air, the following mitigation measures may be taken:

- Water-down the exposed ground surface;
- Spread hygroscopic salts;
- Use of biodegradable tackifiers;
- Minimize the areas of excavation which are exposed at a given time;
- Backfill and stabilize excavated areas as soon as possible;
- Set up temporary erosion control mats/netting/geotextiles; or
- Suspension of work during windy conditions.

5. Equipment Calibration and QA/QC Procedures

Calibration of instrumentation will occur daily and in accordance with the equipment manufacturer's calibration and quality assurance requirements. Calibrations will be recorded in the field activity logbook.

6. Data Summaries

6.1 FIELD DOCUMENTATION

Daily data summaries will be prepared to document the field screening results for the day. The summaries will include the locations monitored, daily TWA results for PM_{10}, the date and time of the reading, location-specific observations on odors, weather conditions, or site activities related to air quality, and the daily maximum value for each day. Monitoring results logged on instruments will be downloaded daily to the field technician's laptop computer.

The results of the monitoring program will be summarized and included in Weekly Field Reports which are distributed to the project team.

7. Summary

In summary, this document establishes a work plan for evaluating fugitive emissions at the Site in real time and identifying circumstances when remedial activities taking place on-site should be modified or engineering controls (e.g., dust suppression) should be implemented.

Perimeter air monitoring will be conducted by Haley & Aldrich during remediation activities to monitor potential dust concentrations.

In order to obtain real-time data, air samples will be collected using the following approach:

- Dust monitoring will be conducted, at a minimum, when intrusive soil activities (e.g., excavation, backfilling) are being conducted, or when generation of fugitive dust from impacted soils could potentially occur.

- Sustained average concentrations of PM_{10} in ambient air greater than 60 $\mu g/m^3$ for periods of 30 minutes will require implementation of engineering controls or modification of work activity to reduce dust levels until the sustained average concentration of PM_{10} in ambient air is less than the action level (60 $\mu g/m^3$) for a period of air monitoring no less than 20 minutes.

Documentation for each day of remedial activities will include meteorological observations, observations of dust and work zone monitoring conditions. Additional field screening locations may be established if needed to evaluate potential fugitive emissions associated with specific circumstances of meteorological conditions and remedial action activities.

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TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	B18	B18	B18	C14	C14	C14	C14	C17	C17	C17	C17	C17A	C18	C18	C18	C19	C19	C19	D13
Sample Name	B18_S1_0.5-2.2	B18_S11_2.6-11	B18_S2_2.6-3	C14_S1_0.5-4.6	C14_S7_4.9-19	C14_S2_5-7	C14_S3_7.5-9	C17_S1_0.6-4.6	C17_S2_4.6-6.6	C17_S9_4.9-22.6	C17_S3_6.6-8.6	C17A_S1_4.9-8.7	C18_S1_0.5-4.4	C18_S2_5-7	C18_S7_5-19	C19_S1_0.4-4.7	C19_S2_5-7	C19_S9_5.1-17	D13_S1_0.4-3.7
Sample Date	07/15/2010	07/15/2010	07/15/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	01/30/2015	07/13/2010	07/13/2010	07/13/2010	07/02/2010	07/02/2010	07/02/2010	06/03/2010
										134447-19								134478-21	
	134789-29	134789-31		134368-10	134368-16			134447-11		134447-34					134718-26	134478-19		134478-24	133644-37
	134789-33	134789-34		134368-23	134368-24			134447-33		134447-40			134718-24		134718-30	134478-23		134478-27	133644-46
	134789-37	134789-38		134368-26	134368-27			134447-39		134642-3		15A1007-01	134718-29		134718-34	134478-26		134716-3	133644-53
Lab Sample ID	134958-1	134958-3	134789-1	134570-2	134570-3	134368-11	134368-12	134642-2	134447-12	134642-5	134447-13	15E0551-01	134718-33	134718-9	134936-2	134716-1	134478-8	134716-4	133842-3
Sample Depth (bgs)	0.5 - 2.2 (ft)	2.6 - 11 (ft)	2.6 - 3 (ft)	0.5 - 4.6 (ft)	4.9 - 19 (ft)	5 - 7 (ft)	7.5 - 9 (ft)	0.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.9 - 22.6 (ft)	6.6 - 8.6 (ft)	4.9 - 8.7 (ft)	0.5 - 4.4 (ft)	5 - 7 (ft)	5 - 19 (ft)	0.4 - 4.7 (ft)	5 - 7 (ft)	5.1 - 17 (ft)	0.4 - 3.7 (ft)
Sample Elevation (ft BCB)	16.5 to 14.8	14.4 to 6	14.4 to 14	20.5 to 16.4	16.1 to 2	16 to 14	13.5 to 12	20.2 to 16.2	16.2 to 14.2	15.9 to -1.8	14.2 to 12.2	15.8 to 12	20.5 to 16.6	16 to 14	16 to 2	20.6 to 16.3	16 to 14	15.9 to 4	20.8 to 17.5
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	ASPHALT CAP/FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.0041)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
1,2,4-Trichlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.0041)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
1,2-Dichlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
1,3,5-Trichlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	-	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
1,3-Dichlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
1,4-Dichlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Benzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Chlorobenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Chloroform (Trichloromethane)	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.0041)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Ethylbenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Isopropylbenzene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
m,p-Xylenes	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.0041)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Methyl Tert Butyl Ether	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.0041)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Methylene chloride	ND (0.05)	ND (0.057)	-	ND (0.05)	ND (0.05)	-	-	ND (0.05)	-	ND (0.061)	-	ND (0.01)	ND (0.05)	-	ND (0.064)	ND (0.05)	-	ND (0.055)	ND (0.076)
Naphthalene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.01)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
o-Xylene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Styrene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Tetrachloroethene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	0.006	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Toluene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
Trichloroethene	ND (0.005)	ND (0.006)	-	ND (0.005)	ND (0.005)	-	-	ND (0.005)	-	ND (0.006)	-	ND (0.002)	ND (0.005)	-	ND (0.006)	ND (0.005)	-	ND (0.005)	ND (0.008)
SUM of Volatile Organic Compounds	ND	ND	-	ND	ND	-	-	0.006	-	ND	-	ND	ND	-	ND	ND	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
1,2-Dichlorobenzene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
1,3-Dichlorobenzene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
1,4-Dichlorobenzene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
2,4-Dimethylphenol	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
2-Chloronaphthalene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
2-Methylnaphthalene	ND (0.35)	0.41	-	ND (0.36)	0.43	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.18)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
2-Methylphenol	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
3&4-Methylphenol	ND (0.35)	1.2	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Acenaphthene	ND (0.35)	0.82	-	ND (0.36)	0.96	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.18)	ND (0.37)	-	0.41	ND (0.35)	-	ND (0.37)	ND (0.35)
Acenaphthylene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.18)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Acetophenone	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Aniline	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Anthracene	0.35	1.8	-	ND (0.36)	1.8	-	-	0.75	-	ND (0.37)	-	0.43	1.7	-	0.91	0.38	-	0.8	0.43
Benzo(a)anthracene	0.89	3.6	-	0.63	3.2	-	-	1.4	-	0.49	-	0.96	3	-	2	1.1	-	2.9	0.74
Benzo(a)pyrene	0.77	2.8	-	0.59	2.8	-	-	1.3	-	0.5	-	0.87	2.5	-	1.7	1	-	2.4	0.61
Benzo(b)fluoranthene	0.99	3.3	-	1	4	-	-	1.8	-	0.72	-	1.1	3.3	-	2.3	1.6	-	3.1	0.77
Benzo(g,h,i)perylene	0.38	0.78	-	ND (0.36)	0.67	-	-	ND (0.36)	-	ND (0.37)	-	0.42	0.95	-	0.72	ND (0.35)	-	0.43	0.4
Benzo(k)fluoranthene	ND (0.35)	1.3	-	ND (0.36)	1.6	-	-	0.69	-	ND (0.37)	-	0.45	1.2	-	0.85	0.5	-	0.97	ND (0.35)
bis(2-Ethylhexyl)phthalate	0.89	0.77	-	0.84	ND (0.39)	-	-	ND (0.36)	-	0.54	-	1.3	0.6	-	0.84	0.57	-	0.42	0.52
Butyl benzylphthalate	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Carbazole	ND (0.35)	0.89	-	ND (0.36)	0.87	-	-	0.42	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Chrysene	0.98	3.3	-	0.71	3.1	-	-	1.5	-	0.53	-	1	2.8	-	2	1.1	-	2.6	0.76
Dibenz(a,h)anthracene	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.18)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Dibenzofuran	ND (0.35)	0.7	-	ND (0.36)	0.83	-	-	0.43	-	ND (0.37)	-	ND (0.36)	0.43	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Diethyl phthalate	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Di-n-butylphthalate	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Fluoranthene	1.9	7.4	-	1.3	6.1	-	-	2.9	-	0.95	-	2.1	6.2	-	4.1	2.2	-	4.6	1.6
Fluorene	ND (0.35)	1.1	-	ND (0.36)	0.99	-	-	0.43	-	ND (0.37)	-	0.19	0.71	-	ND (0.38)	ND (0.35)	-	0.38	ND (0.35)
Indeno(1,2,3-cd)pyrene	0.49	1.2	-	ND (0.36)	0.81	-	-	0.46	-	ND (0.37)	-	0.44	1.2	-	0.82	ND (0.35)	-	0.66	0.39
Naphthalene	ND (0.35)	1.3	-	ND (0.36)	0.79	-	-	0.84	-	ND (0.37)	-	ND (0.18)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
N-Nitrosodiphenylamine	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Pentachlorophenol	ND (0.72)	ND (0.78)	-	ND (0.73)	ND (0.78)	-	-	ND (0.72)	-	ND (0.76)	-	ND (0.36)	ND (0.74)	-	ND (0.76)	ND (0.71)	-	ND (0.76)	ND (0.35)
Phenanthrene	1.6	6.9	-	0.9	6.5	-	-	2.3	-	0.72	-	1.9	5.5	-	3.8	1.2	-	3.1	1.4
Phenol	ND (0.35)	ND (0.38)	-	ND (0.36)	ND (0.39)	-	-	ND (0.36)	-	ND (0.37)	-	ND (0.36)	ND (0.37)	-	ND (0.38)	ND (0.35)	-	ND (0.37)	ND (0.35)
Pyrene	1.7	6.3	-	1.2	5.7	-	-	2.1	-	0.76	-	2.2	5.5	-	4	1.5	-	4.6	1.4
SUM of Semi-Volatile Organic Compounds	10.94	45.87	-	7.17	41.15	-	-	17.32	-	5.21	-	13.36	35.59	-	24.45	11.15	-	26.96	9.02
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	480	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	B18	B18	B18	C14	C14	C14	C14	C17	C17	C17	C17	C17A	C18	C18	C18	C19	C19	C19	D13
Sample Name	B18_S1_0.5-2.2	B18_S11_2.6-11	B18_S2_2.6-3	C14_S1_0.5-4.6	C14_S7_4.9-19	C14_S2_5-7	C14_S3_7.5-9	C17_S1_0.6-4.6	C17_S2_4.6-6.6	C17_S9_4.9-22.6	C17_S3_6.6-8.6	C17A_S1_4.9-8.7	C18_S1_0.5-4.4	C18_S2_5-7	C18_S7_5-19	C19_S1_0.4-4.7	C19_S2_5-7	C19_S9_5.1-17	D13_S1_0.4-3.7
Sample Date	07/15/2010	07/15/2010	07/15/2010	06/29/2010	06/29/2010	06/29/2010	06/29/2010	07/01/2010	07/01/2010	07/01/2010	07/01/2010	01/30/2015	07/13/2010	07/13/2010	07/13/2010	07/02/2010	07/02/2010	07/02/2010	06/03/2010
										134447-19								134478-21	
	134789-29	134789-31		134368-10	134368-16			134447-11		134447-34					134718-26	134478-19		134478-24	133644-37
	134789-33	134789-34		134368-23	134368-24			134447-33		134447-40			134718-24		134718-30	134478-23		134478-27	133644-46
	134789-37	134789-38		134368-26	134368-27			134447-39		134642-3		15A1007-01	134718-29		134718-34	134478-26		134716-3	133644-53
Lab Sample ID	134958-1	134958-3	134789-1	134570-2	134570-3	134368-11	134368-12	134642-2	134447-12	134642-5	134447-13	15E0551-01	134718-33	134718-9	134936-2	134716-1	134478-8	134716-4	133842-3
Sample Depth (bgs)	0.5 - 2.2 (ft)	2.6 - 11 (ft)	2.6 - 3 (ft)	0.5 - 4.6 (ft)	4.9 - 19 (ft)	5 - 7 (ft)	7.5 - 9 (ft)	0.6 - 4.6 (ft)	4.6 - 6.6 (ft)	4.9 - 22.6 (ft)	6.6 - 8.6 (ft)	4.9 - 8.7 (ft)	0.5 - 4.4 (ft)	5 - 7 (ft)	5 - 19 (ft)	0.4 - 4.7 (ft)	5 - 7 (ft)	5.1 - 17 (ft)	0.4 - 3.7 (ft)
Sample Elevation (ft BCB)	16.5 to 14.8	14.4 to 6	14.4 to 14	20.5 to 16.4	16.1 to 2	16 to 14	13.5 to 12	20.2 to 16.2	16.2 to 14.2	15.9 to -1.8	14.2 to 12.2	15.8 to 12	20.5 to 16.6	16 to 14	16 to 2	20.6 to 16.3	16 to 14	15.9 to 4	20.8 to 17.5
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	ASPHALT CAP/FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	170	210	-	100	120	-	-	120	-	87	-	-	200	-	160	89	-	230	75
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	180	240	-	120	170	-	-	140	-	98	-	-	220	-	170	110	-	250	83
MADEP C19-C36 ALIPHATIC HYDROCARBONS	170	210	-	140	55	-	-	130	-	90	-	-	140	-	260	76	-	220	120
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (33)	39	-	ND (33)	ND (34)	-	-	ND (33)	-	ND (34)	-	-	ND (33)	-	67	ND (33)	-	49	ND (31)
Inorganic Compounds (mg/kg)																			
Antimony	18	1.8	-	3.3	1.9	-	-	2.4	-	8.4	-	-	ND (1.1)	-	13	ND (1.1)	-	25	1.7
Arsenic	ND (3.6)	ND (3.7)	-	4.2	13	-	-	4.9	-	ND (3.4)	-	5.5	3.4	-	ND (3.5)	ND (3.4)	-	ND (2.9)	ND (3.3)
Barium	140	130	-	65	190	-	-	61	-	120	-	76	49	-	200	59	-	250	56
Beryllium	ND (0.36)	ND (0.37)	-	ND (0.33)	ND (0.36)	-	-	ND (0.34)	-	ND (0.34)	-	-	ND (0.34)	-	ND (0.35)	ND (0.34)	-	ND (0.29)	ND (0.33)
Cadmium	7.4	3.7	-	1.6	2.1	-	-	1.2	-	7.4	-	4.8	0.98	-	5.8	1.6	-	19	0.67
Chromium	23	23	-	20	17	-	-	15	-	84	-	24	15	-	29	21	-	87	11
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	ND (1)	-
Lead	1900	630	-	120	460	-	-	110	-	1400	-	2700	98	-	2100	110	-	2600	130
Mercury	0.51	1.6	-	0.3	97	-	-	0.38	-	1.5	-	0.5	0.45	-	0.15	0.51	-	4.4	0.14
Nickel	27	22	-	14	16	-	-	11	-	86	-	-	12	-	44	14	-	73	9.2
Selenium	ND (6)	ND (7)	-	ND (7)	ND (13)	-	-	ND (5.6)	-	ND (10)	-	ND (5.3)	ND (5.7)	-	ND (6.5)	ND (5.7)	-	ND (4.8)	ND (5.5)
Silver	ND (1.2)	ND (1.2)	-	ND (1.1)	ND (1.2)	-	-	ND (1.1)	-	ND (1.1)	-	ND (0.53)	ND (1.1)	-	ND (1.2)	ND (1.1)	-	ND (0.96)	ND (1.1)
Thallium	8	13	-	ND (5.5)	ND (6)	-	-	ND (5.6)	-	ND (5.7)	-	-	ND (5.7)	-	19	ND (5.7)	-	9.1	ND (5.5)
Vanadium	46	37	-	29	17	-	-	21	-	36	-	-	25	-	49	26	-	39	20
Zinc	750	480	-	120	380	-	-	100	-	1100	-	-	92	-	1000	150	-	1400	61
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.4	1.1	-	ND (0.3)	11	-	-	ND (0.3)	-	63	-	38	-	-	0.9	ND (0.3)	-	38	ND (0.3)
Mercury	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (1.1)	-	ND (45)	ND (0.043)	-	ND (0.046)	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	ND (0.045)	ND (42)	-	ND (0.044)	ND (46)	-	ND (0.04)
Aroclor-1221 (PCB-1221)	ND (1.1)	-	ND (45)	ND (0.043)	-	ND (0.046)	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	ND (0.045)	ND (42)	-	ND (0.044)	ND (46)	-	ND (0.04)
Aroclor-1232 (PCB-1232)	ND (1.1)	-	ND (45)	ND (0.043)	-	ND (0.046)	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	ND (0.045)	ND (42)	-	ND (0.044)	ND (46)	-	ND (0.04)
Aroclor-1242 (PCB-1242)	ND (1.1)	-	ND (45)	ND (0.043)	-	ND (0.046)	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	ND (0.045)	ND (42)	-	ND (0.044)	ND (46)	-	ND (0.04)
Aroclor-1248 (PCB-1248)	ND (1.1)	-	ND (45)	0.13	-	-	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	0.44	ND (42)	-	0.53	ND (46)	-	ND (0.04)
Aroclor-1254 (PCB-1254)	12	-	180	ND (0.043)	-	1.6	ND (0.051)	0.26	120	-	10	-	ND (0.045)	540	-	ND (0.044)	270	-	0.38
Aroclor-1260 (PCB-1260)	7.1	-	100	0.074	-	1.4	ND (0.051)	0.16	91	-	6.5	-	0.44	ND (42)	-	0.21	190	-	0.18
Aroclor-1262 (PCB-1262)	ND (1.1)	-	ND (45)	ND (0.043)	-	ND (0.046)	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	ND (0.045)	ND (42)	-	ND (0.044)	ND (46)	-	ND (0.04)
Aroclor-1268 (PCB-1268)	ND (1.1)	-	ND (45)	ND (0.043)	-	ND (0.046)	ND (0.051)	ND (0.044)	ND (84)	-	ND (0.96)	-	ND (0.045)	ND (42)	-	ND (0.044)	ND (46)	-	ND (0.04)
SUM of PCBs	19.1	-	280	0.204	-	3	ND	0.42	211	-	16.5	-	0.88	540	-	0.74	460	-	0.56
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	93.7	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	165 >	-	165 >	165 >	-	-	165 >	-	165 >	-	-	165 >	-	165 >	165 >	-	165 >	165 >
Reactive Cyanide (mg/kg)	ND (50)	ND (50)	-	ND (50)	ND (50)	-	-	ND (50)	-	ND (50)	-	ND (3.9)	ND (50)	-	ND (50)	ND (50)	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	ND (100)	ND (100)	-	ND (100)	ND (100)	-	-	ND (100)	-	ND (100)	-	ND (20)	ND (100)	-	ND (100)	ND (100)	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	410	-	100	-	-	-	-	-	450	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-
pH Corrosivity (pH units)	7.8	8.7	-	8.2	6.8	-	-	6.7	-	6.6	-	8.5	7.1	-	9.6	7.7	-	6.6	6.9
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.1)	ND (1.9)	-	ND (1.1)	ND (1.7)	-	-	ND (1.4)	-	ND (1.5)	-	-	ND (1.2)	-	ND (1.5)	ND (1.2)	-	ND (1.2)	ND (1.3)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.1)	ND (1.9)	-	ND (1.1)	ND (1.7)	-	-	ND (1.4)	-	ND (1.5)	-	-	1.2	-	ND (1.5)	ND (1.2)	-	ND (1.2)	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.1)	ND (1.9)	-	ND (1.1)	ND (1.7)	-	-	ND (1.4)	-	ND (1.5)	-	-	1.9	-	ND (1.5)	ND (1.2)	-	ND (1.2)	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.1)	ND (1.9)	-	ND (1.1)	ND (1.7)	-	-	ND (1.4)	-	ND (1.5)	-	-	1.9	-	ND (1.5)	ND (1.2)	-	ND (1.2)	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.1)	3.7	-	ND (1.1)	ND (1.7)	-	-	ND (1.4)	-	ND (1.5)	-	-	4.1	-	2.2	ND (1.2)	-	1.6	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	D13	D13	D13	D13A	D13A	D14	D14	D14	D14	D15	D15	D15	D15	D18	D18	D18	D18	E13	E13
Sample Name	D13_S2_5.3-15.2	D13_S3_5.3-6.5	D13_S4_7.2-8.2	D13A_S1_6.4-11.1	D13A_S2_6.4-9.1	D14_S1_0.5-5.5	D14_S2_6-17	D14_S3_6-9	D14_S4_9-11	D15_S1_0.4-4.8	D15_S2_5.2-18.2	D15_S4_5.2-6.2	D15_S5_8.2-10.2	D18_S1_0-3.9	D18_S2_5-6.1	D18_S5_5-15	D18_S3_11-13	E13_S1_0-2.2	E13_S4_6.5-12.9
Sample Date	06/04/2010	06/04/2010	06/04/2010	02/11/2015	02/11/2015	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/04/2010	06/04/2010
	133689-25						133644-39 133644-45				133618-48					133644-38			133689-47
	133689-53					133644-36	133644-52			133618-47	133618-58			133644-33		133644-41		133689-44	133689-57
	133689-62			15B0362-01		133644-44	133842-5			133618-57	133618-68			133644-40		133644-48		133689-56	133689-66
Lab Sample ID	133883-3	133689-26	133689-27	15B0557-01	15B0362-02	133644-51	133842-7	133644-25	133644-26	133618-67	133765-3	133618-25	133618-26	133644-47	133644-7	133842-4	133644-8	133689-65	133883-5
Sample Depth (bgs)	5.3 - 15.2 (ft)	5.3 - 6.5 (ft)	7.2 - 8.2 (ft)	6.4 - 11.1 (ft)	6.4 - 9.1 (ft)	0.5 - 5.5 (ft)	6 - 17 (ft)	6 - 9 (ft)	9 - 11 (ft)	0.4 - 4.8 (ft)	5.2 - 18.2 (ft)	5.2 - 6.2 (ft)	8.2 - 10.2 (ft)	0 - 3.9 (ft)	5 - 6.1 (ft)	5 - 15 (ft)	11 - 13 (ft)	0 - 2.2 (ft)	6.5 - 12.9 (ft)
Sample Elevation (ft BCB)	15.9 to 6	15.9 to 14.7	14 to 13	14.7 to 10	14.7 to 12	20.6 to 15.6	15.1 to 4.1	15.1 to 12.1	12.1 to 10.1	20.8 to 16.4	16 to 3	16 to 15	13 to 11	21 to 17.1	16 to 14.9	16 to 6	10 to 8	21.5 to 19.3	15 to 8.6
Soil Description	FILL	FILL	FILL			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.007)	-	-	ND (0.0035)	-	ND (0.007)	0.53	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
1,2,4-Trichlorobenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	0.98	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
1,2-Dichlorobenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
1,3,5-Trichlorobenzene	ND (0.007)	-	-	-	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
1,3-Dichlorobenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
1,4-Dichlorobenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Benzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Chlorobenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Chloroform (Trichloromethane)	ND (0.007)	-	-	ND (0.0035)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Ethylbenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Isopropylbenzene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
m,p-Xylenes	ND (0.007)	-	-	ND (0.0035)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Methyl Tert Butyl Ether	ND (0.007)	-	-	ND (0.0035)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Methylene chloride	ND (0.066)	-	-	ND (0.0088)	-	ND (0.073)	ND (1.4)	-	-	ND (0.086)	ND (0.16)	-	-	ND (0.055)	-	ND (0.079)	-	ND (1)	ND (0.05)
Naphthalene	ND (0.007)	-	-	ND (0.0088)	-	ND (0.007)	0.75	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	0.9	ND (0.005)
o-Xylene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Styrene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	1.2	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Tetrachloroethene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Toluene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
Trichloroethene	ND (0.007)	-	-	ND (0.0018)	-	ND (0.007)	ND (0.35)	-	-	ND (0.009)	ND (0.016)	-	-	ND (0.006)	-	ND (0.008)	-	ND (0.25)	ND (0.005)
SUM of Volatile Organic Compounds	ND	-	-	ND	-	ND	3.46	-	-	ND	ND	-	-	ND	-	ND	-	0.9	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	0.42	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
1,2-Dichlorobenzene	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
1,3-Dichlorobenzene	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
1,4-Dichlorobenzene	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
2,4-Dimethylphenol	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
2-Chloronaphthalene	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
2-Methylnaphthalene	ND (0.38)	-	-	0.45	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
2-Methylphenol	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
3&4-Methylphenol	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Acenaphthene	ND (0.38)	-	-	0.38	-	ND (0.34)	ND (0.41)	-	-	0.37	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Acenaphthylene	ND (0.38)	-	-	ND (0.19)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Acetophenone	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Aniline	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Anthracene	0.4	-	-	0.94	-	0.54	0.64	-	-	0.73	0.48	-	-	ND (0.35)	-	ND (0.46)	-	0.45	ND (0.37)
Benzo(a)anthracene	0.65	-	-	2	-	1.6	1.7	-	-	1.7	1	-	-	0.43	-	ND (0.46)	-	0.91	0.44
Benzo(a)pyrene	0.56	-	-	1.5	-	1.4	1.5	-	-	1.5	0.84	-	-	0.44	-	ND (0.46)	-	0.79	ND (0.37)
Benzo(b)fluoranthene	0.76	-	-	2	-	1.7	2.2	-	-	1.8	1	-	-	0.62	-	ND (0.46)	-	1	0.48
Benzo(g,h,i)perylene	ND (0.38)	-	-	0.72	-	0.88	0.61	-	-	0.99	0.58	-	-	ND (0.35)	-	ND (0.46)	-	0.6	ND (0.37)
Benzo(k)fluoranthene	ND (0.38)	-	-	0.75	-	0.61	0.74	-	-	0.61	0.39	-	-	ND (0.35)	-	ND (0.46)	-	0.35	ND (0.37)
bis(2-Ethylhexyl)phthalate	1.4	-	-	0.66	-	0.35	1.4	-	-	1.8	2	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	0.44
Butyl benzylphthalate	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Carbazole	ND (0.38)	-	-	-	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Chrysene	0.63	-	-	2	-	1.4	1.7	-	-	1.6	0.98	-	-	0.46	-	ND (0.46)	-	0.93	0.45
Dibenz(a,h)anthracene	ND (0.38)	-	-	0.28	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Dibenzofuran	ND (0.38)	-	-	0.65	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Diethyl phthalate	0.55	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Di-n-butylphthalate	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Fluoranthene	1.6	-	-	4.1	-	3.1	3.4	-	-	3.3	2.1	-	-	0.85	-	ND (0.46)	-	1.9	0.86
Fluorene	ND (0.38)	-	-	0.59	-	ND (0.34)	ND (0.41)	-	-	0.38	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Indeno(1,2,3-cd)pyrene	ND (0.38)	-	-	0.92	-	1	0.85	-	-	1.1	0.62	-	-	ND (0.35)	-	ND (0.46)	-	0.62	ND (0.37)
Naphthalene	ND (0.38)	-	-	0.88	-	ND (0.34)	ND (0.41)	-	-	0.45	ND (0.37)	-	-	ND (0.35)	-	0.63	-	0.33	ND (0.37)
N-Nitrosodiphenylamine	ND (0.38)	-	-	-	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Pentachlorophenol	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Phenanthrene	1.7	-	-	4	-	1.9	2.5	-	-	2.6	1.9	-	-	0.68	-	ND (0.46)	-	1.6	0.87
Phenol	ND (0.38)	-	-	ND (0.37)	-	ND (0.34)	ND (0.41)	-	-	ND (0.36)	ND (0.37)	-	-	ND (0.35)	-	ND (0.46)	-	ND (0.33)	ND (0.37)
Pyrene	1.2	-	-	3.8	-	2.6	2.9	-	-	3.1	2.1	-	-	0.69	-	ND (0.46)	-	1.5	0.77
SUM of Semi-Volatile Organic Compounds	9.45	-	-	26.62	-	17.08	20.56	-	-	22.03	13.99	-	-	4.17	-	0.63	-	10.98	4.31
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	D13	D13	D13	D13A	D13A	D14	D14	D14	D14	D15	D15	D15	D15	D15	D18	D18	D18	D18	E13	E13
Sample Name	D13_S2_5.3-15.2	D13_S3_5.3-6.5	D13_S4_7.2-8.2	D13A_S1_6.4-11.1	D13A_S2_6.4-9.1	D14_S1_0.5-5.5	D14_S2_6-17	D14_S3_6-9	D14_S4_9-11	D15_S1_0.4-4.8	D15_S2_5.2-18.2	D15_S4_5.2-6.2	D15_S5_8.2-10.2	D18_S1_0-3.9	D18_S2_5-6.1	D18_S5_5-15	D18_S3_11-13	E13_S1_0-2.2	E13_S4_6.5-12.9
Sample Date	06/04/2010	06/04/2010	06/04/2010	02/11/2015	02/11/2015	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/02/2010	06/02/2010	06/02/2010	06/02/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/04/2010	06/04/2010
	133689-25						133644-39 133644-45				133618-48					133644-38			133689-47
	133689-53					133644-36	133644-52			133618-47	133618-58			133644-33		133644-41		133689-44	133689-57
	133689-62			15B0362-01		133644-44	133842-5			133618-57	133618-68			133644-40		133644-48		133689-56	133689-66
Lab Sample ID	133883-3	133689-26	133689-27	15B0557-01	15B0362-02	133644-51	133842-7	133644-25	133644-26	133618-67	133765-3	133618-25	133618-26	133644-47	133644-7	133842-4	133644-8	133689-65	133883-5
Sample Depth (bgs)	5.3 - 15.2 (ft)	5.3 - 6.5 (ft)	7.2 - 8.2 (ft)	6.4 - 11.1 (ft)	6.4 - 9.1 (ft)	0.5 - 5.5 (ft)	6 - 17 (ft)	6 - 9 (ft)	9 - 11 (ft)	0.4 - 4.8 (ft)	5.2 - 18.2 (ft)	5.2 - 6.2 (ft)	8.2 - 10.2 (ft)	0 - 3.9 (ft)	5 - 6.1 (ft)	5 - 15 (ft)	11 - 13 (ft)	0 - 2.2 (ft)	6.5 - 12.9 (ft)
Sample Elevation (ft BCB)	15.9 to 6	15.9 to 14.7	14 to 13	14.7 to 10	14.7 to 12	20.6 to 15.6	15.1 to 4.1	15.1 to 12.1	12.1 to 10.1	20.8 to 16.4	16 to 3	16 to 15	13 to 11	21 to 17.1	16 to 14.9	16 to 6	10 to 8	21.5 to 19.3	15 to 8.6
Soil Description	FILL	FILL	FILL			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	65	-	-	-	-	88	300	-	-	82	130	-	-	ND (32)	-	56	-	110	63
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	77	-	-	-	-	110	320	-	-	100	160	-	-	ND (32)	-	65	-	120	72
MADEP C19-C36 ALIPHATIC HYDROCARBONS	96	-	-	-	-	90	520	-	-	100	85	-	-	35	-	92	-	130	93
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (34)	-	-	-	-	ND (30)	130	-	-	ND (33)	ND (34)	-	-	ND (32)	-	ND (43)	-	ND (30)	ND (32)
Inorganic Compounds (mg/kg)																			
Antimony	2.1	-	-	-	-	1.7	48	-	-	1.4	1.3	-	-	ND (1.1)	-	2.2	-	ND (1.1)	5.2
Arsenic	ND (3.4)	-	-	5.8	-	ND (3.2)	ND (3.9)	-	-	ND (3.3)	5.2	-	-	ND (3.3)	-	13	-	ND (3.2)	ND (3.3)
Barium	63	-	-	230	-	35	290	-	-	30	200	-	-	14	-	290	-	41	66
Beryllium	ND (0.34)	-	-	-	-	ND (0.32)	ND (0.39)	-	-	ND (0.33)	ND (0.36)	-	-	ND (0.33)	-	ND (0.42)	-	ND (0.32)	ND (0.33)
Cadmium	1.1	-	-	3.7	-	0.63	15	-	-	ND (0.55)	1.1	-	-	ND (0.55)	-	5.3	-	0.55	4.2
Chromium	16	-	-	20	-	10	190	-	-	9.2	22	-	-	4.4	-	15	-	13	30
Chromium VI (Hexavalent)	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	430	-	-	1400	-	60	7200	-	-	36	580	-	-	21	-	5700	-	39	1700
Mercury	0.88	-	-	0.36	-	0.48	13	-	-	0.39	1.6	-	-	0.22	-	96	-	0.35	0.34
Nickel	12	-	-	-	-	6.9	130	-	-	6.2	24	-	-	ND (5.5)	-	35	-	7.5	29
Selenium	ND (5.7)	-	-	ND (5.8)	-	ND (5.3)	13	-	-	ND (5.5)	ND (5.9)	-	-	ND (5.5)	-	13	-	ND (5.4)	ND (5.5)
Silver	ND (1.1)	-	-	ND (0.58)	-	ND (1.1)	ND (1.3)	-	-	ND (1.1)	ND (1.2)	-	-	ND (1.1)	-	10	-	ND (1.1)	ND (1.1)
Thallium	ND (5.7)	-	-	-	-	ND (5.3)	ND (6.4)	-	-	ND (5.5)	ND (5.9)	-	-	ND (5.5)	-	ND (7.1)	-	ND (5.4)	ND (5.5)
Vanadium	38	-	-	-	-	15	200	-	-	14	28	-	-	8.6	-	44	-	20	62
Zinc	170	-	-	-	-	75	1700	-	-	50	230	-	-	29	-	290	-	51	440
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	6	-	-	0.027	-	-	340	-	-	-	ND (0.3)	-	-	-	-	95	-	-	6
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0091	-	-	ND (0.0002)
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	-	ND (0.04)	ND (4.4)	-	ND (1)	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
Aroclor-1221 (PCB-1221)	-	ND (0.04)	ND (4.4)	-	ND (1)	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
Aroclor-1232 (PCB-1232)	-	ND (0.04)	ND (4.4)	-	ND (1)	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
Aroclor-1242 (PCB-1242)	-	ND (0.04)	ND (4.4)	-	6.4	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
Aroclor-1248 (PCB-1248)	-	ND (0.04)	ND (4.4)	-	4.8	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
Aroclor-1254 (PCB-1254)	-	0.18	35	-	5.6	0.91	-	310	280	0.54	16	91	0.18	0.45	9.7	-	0.056	0.087	-
Aroclor-1260 (PCB-1260)	-	0.29	32	-	2.5	0.36	-	200	170	0.24	5	30	0.072	0.43	5.4	-	ND (0.04)	0.048	-
Aroclor-1262 (PCB-1262)	-	ND (0.04)	ND (4.4)	-	ND (1)	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
Aroclor-1268 (PCB-1268)	-	ND (0.04)	ND (4.4)	-	ND (1)	ND (0.2)	-	ND (9.8)	ND (11)	ND (0.04)	ND (2.3)	ND (9.1)	ND (0.04)	ND (0.04)	ND (0.84)	-	ND (0.04)	ND (0.04)	-
SUM of PCBs	-	0.47	67	-	19.3	1.27	-	510	450	0.78	21	121	0.252	0.88	15.1	-	0.056	0.135	-
Other																			
Percent Solids, vol. (%wt)	-	-	-	91.3	95.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	-	-	165 >	165 >	-	-	165 >	165 >	-	-	165 >	-	165 >	-	165 >	165 >
Reactive Cyanide (mg/kg)	ND (50)	-	-	ND (3.9)	-	ND (50)	ND (50)	-	-	ND (50)	ND (50)	-	-	ND (50)	-	ND (50)	-	ND (50)	ND (50)
Reactive Sulfide (mg/kg)	ND (100)	-	-	ND (20)	-	ND (100)	ND (100)	-	-	ND (100)	ND (100)	-	-	ND (100)	-	ND (100)	-	ND (100)	ND (100)
Oxidation reduction potential (mv)	-	-	-	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	9.6	-	-	11	-	6.8	6.9	-	-	6.9	7.1	-	-	6.9	-	6.8	-	7.6	9.3
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.7)	-	-	-	-	ND (1.1)	ND (1.7)	-	-	ND (1.2)	ND (1.6)	-	-	ND (1)	-	ND (2.1)	-	ND (1)	ND (1.4)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.7)	-	-	-	-	ND (1.1)	ND (1.7)	-	-	ND (1.2)	ND (1.6)	-	-	ND (1)	-	ND (2.1)	-	ND (1)	ND (1.4)
MADEP C9-C10 AROMATIC HYDROCARBONS	2.8	-	-	-	-	ND (1.1)	5	-	-	ND (1.2)	ND (1.6)	-	-	ND (1)	-	ND (2.1)	-	1.3	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	4.4	-	-	-	-	ND (1.1)	2.4	-	-	ND (1.2)	ND (1.6)	-	-	ND (1)	-	ND (2.1)	-	ND (1)	ND (1.4)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	7.2	-	-	-	-	1.3	9.6	-	-	ND (1.2)	1.7	-	-	ND (1)	-	ND (2.1)	-	1.5	ND (1.4)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	E13	E14	E14	E14	E14	E14	E14	E14A	E15	E15	E15	E15	F13	F13	F13	F13	F13
Sample Name	E13_S2_9.5-11.5	E14_S1_0.5-6.0	E14_S2_8.0-10.0	E14_S3_10.0-12.0	E14_S4_12.0-14.0	E14_S3_12-14	E14_S5_12-16	E14A_S1_7.0-14.1	E15_S1_0.5-5.5	E15_S2_7.5-9.5	E15_S4_7.5-11.5	E15_S3_9.5-11.5	F13_S1_0.5-7.4	F13_S2_8.8-9.8	F13_S5_8.8-13.8	F13_S3_9.8-11.8	F13_S4_11.8-13.8
Sample Date	06/04/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/07/2010	06/07/2010	02/26/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010
			133644-35														
		133644-34	133644-43				133708-50								138765-20		
		133644-42	133644-50				133708-61				139069-16				138765-24		
		133644-49	133842-2				133708-69	15B0851-01			139069-19				138765-26		
Lab Sample ID	133689-45	133842-1	133842-6	133644-19	133644-20	133708-33	133941-3	15C0185-01	139069-7	139069-8	139069-22	139069-9	138765-1	138765-2	138973-1	138765-3	138765-4
Sample Depth (bgs)	9.5 - 11.5 (ft)	0.5 - 6 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	12 - 16 (ft)	7 - 14.1 (ft)	0.5 - 5.5 (ft)	7.5 - 9.5 (ft)	7.5 - 11.5 (ft)	9.5 - 11.5 (ft)	0.5 - 7.4 (ft)	8.8 - 9.8 (ft)	8.8 - 13.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)
Sample Elevation (ft BCB)	12 to 10	20.9 to 15.4	13.4 to 11.4	11.4 to 9.4	9.4 to 7.4	9.4 to 7.4	9.4 to 5.4	14.5 to 7.4	21 to 16	14 to 12	14 to 10	12 to 10	21.3 to 14.4	13 to 12	13 to 8	12 to 10	10 to 8
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																	
1,2,3-Trichlorobenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0028)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
1,2,4-Trichlorobenzene	-	ND (0.007)	0.54	-	-	-	ND (0.01)	ND (0.0028)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
1,2,4-Trimethylbenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
1,2-Dichlorobenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
1,3,5-Trichlorobenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	-	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
1,3-Dichlorobenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
1,4-Dichlorobenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Benzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Chlorobenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Chloroform (Trichloromethane)	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0028)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Ethylbenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Isopropylbenzene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
m,p-Xylenes	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0028)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Methyl Tert Butyl Ether	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0028)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Methylene chloride	-	ND (0.073)	ND (1.5)	-	-	-	ND (0.096)	ND (0.0071)	-	-	ND (0.062)	-	-	-	ND (0.05)	-	-
Naphthalene	-	ND (0.007)	0.74	-	-	-	ND (0.01)	ND (0.0071)	-	-	ND (0.006)	-	-	-	0.011	-	-
o-Xylene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Styrene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Tetrachloroethene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Toluene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
Trichloroethene	-	ND (0.007)	ND (0.37)	-	-	-	ND (0.01)	ND (0.0014)	-	-	ND (0.006)	-	-	-	ND (0.005)	-	-
SUM of Volatile Organic Compounds	-	ND	1.28	-	-	-	ND	ND	-	-	ND	-	-	-	0.011	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
1,2,4-Trichlorobenzene	-	ND (0.36)	0.91	-	-	-	ND (0.43)	0.98	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
1,2-Dichlorobenzene	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
1,3-Dichlorobenzene	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
1,4-Dichlorobenzene	-	ND (0.36)	0.73	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
2,4-Dimethylphenol	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
2-Chloronaphthalene	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
2-Methylnaphthalene	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	0.47	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
2-Methylphenol	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
3&4-Methylphenol	-	ND (0.36)	0.43	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Acenaphthene	-	ND (0.36)	0.47	-	-	-	ND (0.43)	0.7	-	-	ND (0.34)	-	-	-	0.84	-	-
Acenaphthylene	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.2)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Acetophenone	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Aniline	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Anthracene	-	0.37	1.1	-	-	-	ND (0.43)	1.6	-	-	ND (0.34)	-	-	-	1.7	-	-
Benzo(a)anthracene	-	0.87	2.7	-	-	-	1.1	3.3	-	-	ND (0.34)	-	-	-	2.3	-	-
Benzo(a)pyrene	-	0.84	3	-	-	-	1.2	3	-	-	ND (0.34)	-	-	-	1.7	-	-
Benzo(b)fluoranthene	-	1.2	5.8	-	-	-	1.3	4.5	-	-	ND (0.34)	-	-	-	2.1	-	-
Benzo(g,h,i)perylene	-	ND (0.36)	ND (0.4)	-	-	-	1.2	1.2	-	-	ND (0.34)	-	-	-	0.66	-	-
Benzo(k)fluoranthene	-	0.43	1.9	-	-	-	0.44	1.8	-	-	ND (0.34)	-	-	-	0.85	-	-
bis(2-Ethylhexyl)phthalate	-	0.4	1.4	-	-	-	ND (0.43)	58	-	-	ND (0.34)	-	-	-	3.6	-	-
Butyl benzylphthalate	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	1.2	-	-
Carbazole	-	ND (0.36)	0.6	-	-	-	ND (0.43)	-	-	-	ND (0.34)	-	-	-	0.98	-	-
Chrysene	-	0.92	3.1	-	-	-	1.1	3.2	-	-	ND (0.34)	-	-	-	2.2	-	-
Dibenz(a,h)anthracene	-	ND (0.36)	ND (0.4)	-	-	-	0.54	0.38	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Dibenzofuran	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	0.53	-	-	ND (0.34)	-	-	-	0.65	-	-
Diethyl phthalate	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Di-n-butylphthalate	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Fluoranthene	-	1.8	6.1	-	-	-	1.5	6.8	-	-	ND (0.34)	-	-	-	5.2	-	-
Fluorene	-	ND (0.36)	0.45	-	-	-	ND (0.43)	0.77	-	-	ND (0.34)	-	-	-	0.94	-	-
Indeno(1,2,3-cd)pyrene	-	ND (0.36)	0.41	-	-	-	0.95	1.5	-	-	ND (0.34)	-	-	-	0.79	-	-
Naphthalene	-	ND (0.36)	0.61	-	-	-	ND (0.43)	0.87	-	-	ND (0.34)	-	-	-	0.71	-	-
N-Nitrosodiphenylamine	-	ND (0.36)	0.68	-	-	-	ND (0.43)	-	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Pentachlorophenol	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (1.4)	-	-	-	ND (0.35)	-	-
Phenanthrene	-	1.2	4.2	-	-	-	0.89	6.7	-	-	ND (0.34)	-	-	-	5.8	-	-
Phenol	-	ND (0.36)	ND (0.4)	-	-	-	ND (0.43)	ND (0.4)	-	-	ND (0.34)	-	-	-	ND (0.35)	-	-
Pyrene	-	1.4	4.1	-	-	-	1.3	6.7	-	-	ND (0.34)	-	-	-	4.3	-	-
SUM of Semi-Volatile Organic Compounds	-	9.43	38.69	-	-	-	11.52	103	-	-	ND	-	-	-	36.52	-	-
Total Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	1700	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	E13	E14	E14	E14	E14	E14	E14	E14A	E15	E15	E15	E15	F13	F13	F13	F13	F13
Sample Name	E13_S2_9.5-11.5	E14_S1_0.5-6.0	E14_S2_8.0-10.0	E14_S3_10.0-12.0	E14_S4_12.0-14.0	E14_S3_12-14	E14_S5_12-16	E14A_S1_7.0-14.1	E15_S1_0.5-5.5	E15_S2_7.5-9.5	E15_S4_7.5-11.5	E15_S3_9.5-11.5	F13_S1_0.5-7.4	F13_S2_8.8-9.8	F13_S5_8.8-13.8	F13_S3_9.8-11.8	F13_S4_11.8-13.8
Sample Date	06/04/2010	06/03/2010	06/03/2010	06/03/2010	06/03/2010	06/07/2010	06/07/2010	02/26/2015	01/10/2011	01/10/2011	01/10/2011	01/10/2011	12/22/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010
			133644-35														
		133644-34	133644-43				133708-50								138765-20		
		133644-42	133644-50				133708-61				139069-16				138765-24		
		133644-49	133842-2				133708-69	15B0851-01			139069-19				138765-26		
Lab Sample ID	133689-45	133842-1	133842-6	133644-19	133644-20	133708-33	133941-3	15C0185-01	139069-7	139069-8	139069-22	139069-9	138765-1	138765-2	138973-1	138765-3	138765-4
Sample Depth (bgs)	9.5 - 11.5 (ft)	0.5 - 6 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	12 - 16 (ft)	7 - 14.1 (ft)	0.5 - 5.5 (ft)	7.5 - 9.5 (ft)	7.5 - 11.5 (ft)	9.5 - 11.5 (ft)	0.5 - 7.4 (ft)	8.8 - 9.8 (ft)	8.8 - 13.8 (ft)	9.8 - 11.8 (ft)	11.8 - 13.8 (ft)
Sample Elevation (ft BCB)	12 to 10	20.9 to 15.4	13.4 to 11.4	11.4 to 9.4	9.4 to 7.4	9.4 to 7.4	9.4 to 5.4	14.5 to 7.4	21 to 16	14 to 12	14 to 10	12 to 10	21.3 to 14.4	13 to 12	13 to 8	12 to 10	10 to 8
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																	
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	88	640	-	-	-	48	-	-	-	ND (20)	-	-	-	150	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	110	680	-	-	-	57	-	-	-	ND (20)	-	-	-	200	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	86	880	-	-	-	ND (40)	-	-	-	28	-	-	-	180	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (33)	230	-	-	-	ND (40)	-	-	-	ND (20)	-	-	-	ND (21)	-	-
Inorganic Compounds (mg/kg)																	
Antimony	-	1.7	55	-	-	-	ND (1.3)	-	-	-	2.9	-	-	-	3.7	-	-
Arsenic	-	59	ND (3.3)	-	-	-	6.9	3.3	-	-	ND (3.1)	-	-	-	ND (3.3)	-	-
Barium	-	82	310	-	-	-	280	370	-	-	58	-	-	-	63	-	-
Beryllium	-	ND (0.34)	ND (0.33)	-	-	-	ND (0.4)	-	-	-	ND (0.31)	-	-	-	ND (0.33)	-	-
Cadmium	-	1.7	24	-	-	-	1.1	11	-	-	0.86	-	-	-	1.6	-	-
Chromium	-	25	93	-	-	-	21	78	-	-	19	-	-	-	18	-	-
Chromium VI (Hexavalent)	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	110	5300	-	-	-	1200	17000	-	-	9.6	-	-	-	250	-	-
Mercury	-	0.29	4.9	-	-	-	2.4	3.6	-	-	0.099	-	-	-	0.46	-	-
Nickel	-	38	140	-	-	-	11	-	-	-	10	-	-	-	27	-	-
Selenium	-	6.5	8.3	-	-	-	7.2	ND (5.8)	-	-	ND (5.2)	-	-	-	ND (5.5)	-	-
Silver	-	ND (1.1)	ND (1.1)	-	-	-	ND (1.3)	ND (0.58)	-	-	ND (1)	-	-	-	ND (1.1)	-	-
Thallium	-	ND (5.7)	8.3	-	-	-	ND (6.7)	-	-	-	ND (5.2)	-	-	-	ND (5.5)	-	-
Vanadium	-	34	170	-	-	-	23	-	-	-	37	-	-	-	45	-	-
Zinc	-	150	2500	-	-	-	370	-	-	-	68	-	-	-	180	-	-
TCLP Inorganic Compounds (mg/L)																	
Cadmium	-	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	ND (0.3)	120	-	-	-	2.7	8.7	-	-	-	-	-	-	ND (0.3)	-	-
Mercury	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1221 (PCB-1221)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1232 (PCB-1232)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1242 (PCB-1242)	ND (0.04)	1.1	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.043)	0.52	-	ND (0.044)	ND (0.049)
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	1.5	ND (0.042)	-	ND (0.043)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1254 (PCB-1254)	0.049	ND (0.22)	440	130	160	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	0.046	0.3	ND (0.046)	-	2	0.29
Aroclor-1260 (PCB-1260)	ND (0.04)	0.31	260	110	110	0.053	0.27	-	0.57	ND (0.042)	-	ND (0.043)	0.16	0.6	-	1.1	0.15
Aroclor-1262 (PCB-1262)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
Aroclor-1268 (PCB-1268)	ND (0.04)	ND (0.22)	ND (10)	ND (10)	ND (10)	ND (0.04)	ND (0.04)	-	ND (0.44)	ND (0.042)	-	ND (0.043)	ND (0.043)	ND (0.046)	-	ND (0.044)	ND (0.049)
SUM of PCBs	0.049	1.41	700	240	270	0.053	0.27	-	2.07	ND	-	0.046	0.46	1.12	-	3.1	0.44
Other																	
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	85.2	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	165 >	-	-	-	165 >	-	-	-	165 >	-	-	-	165 >	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	ND (50)	-	-	-	ND (50)	ND (4)	-	-	ND (50)	-	-	-	ND (50)	-	-
Reactive Sulfide (mg/kg)	-	ND (100)	ND (100)	-	-	-	ND (100)	ND (20)	-	-	ND (100)	-	-	-	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	6.9	6.9	-	-	-	6.7	10	-	-	7.1	-	-	-	9.2	-	-
VPH (mg/kg)																	
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	2.2	-	-	-	ND (1.8)	-	-	-	ND (1.2)	-	-	-	ND (1.1)	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	ND (1.2)	2.4	-	-	-	ND (1.8)	-	-	-	ND (1.2)	-	-	-	ND (1.1)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	ND (1.2)	2.7	-	-	-	ND (1.8)	-	-	-	ND (1.2)	-	-	-	ND (1.1)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.2)	ND (1.8)	-	-	-	ND (1.8)	-	-	-	ND (1.2)	-	-	-	ND (1.1)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	ND (1.2)	3.7	-	-	-	ND (1.8)	-	-	-	ND (1.2)	-	-	-	ND (1.1)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	F14	F14	F14	F14	F14	F14	F14A	F15	F15	F15	G14	G14	G14	G14	H11	H11	I10	I11
Sample Name	F14_S1_0.7-7.0	Z14_S1_0.7-7.0	F14_S2_7.7-9.7	F14_S3_7.7-12.7	F14_S3_9.7-11.7	F14_S4_11.7-13.7	F14A_S1_8.0-13.7	F15_S1_0.5-5.4	F15_S2_16.5-18.5	F15_S3_16.5-18.5	G14_S1_0.5-7	G14_S2_7.5-9.5	G14_S3_9.5-11.5	G14_S4_11.5-13.5	H11_S1_8.0-9.0	H11_S2_8-9	I10_S1_7.0-8.7	I11_S1_7.0-8.9
Sample Date	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	02/27/2015	12/22/2010	12/23/2010	12/23/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	02/18/2015	02/18/2015	02/27/2015	02/27/2015
Lab Sample ID	139039-1	139039-7	139039-2	139039-15 139039-20 139039-23 139189-1 139189-7	139039-3	139039-4	15B0900-01 15C0232-01	138765-9	138796-6	138796-21 138796-26 138796-31 138974-1	138765-16	138765-17	138765-18	138765-19	15B0587-01	15C0016-01	15B0904-01	15B0901-01
Sample Depth (bgs)	0.7 - 7 (ft)	0.7 - 7 (ft)	7.7 - 9.7 (ft)	7.7 - 12.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	8 - 13.7 (ft)	0.5 - 5.4 (ft)	16.5 - 18.5 (ft)	16.5 - 18.5 (ft)	0.5 - 7 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	8 - 9 (ft)	8 - 9 (ft)	7 - 8.7 (ft)	7 - 8.9 (ft)
Sample Elevation (ft BCB)	21 to 14.7	21 to 14.7	14 to 12	14 to 9	12 to 10	10 to 8	13.7 to 8	21 to 16.1	5 to 3	5 to 3	20.9 to 14.4	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	13 to 12	13 to 12	13.7 to 12	13.9 to 12
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL	FILL	FILL				
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	ND (0.0073)	-	-	ND (0.0031)	-	-	ND (0.007)	-	-	-	-	ND (0.0022)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	ND (0.0073)	-	-	ND (0.0031)	-	-	ND (0.007)	-	-	-	-	ND (0.0022)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.0073)	-	-	-	-	-	ND (0.007)	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
Benzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	0.0027	-	-	-
Chlorobenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.0073)	-	-	ND (0.0031)	-	-	ND (0.007)	-	-	-	-	ND (0.0022)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	0.0012	-	-	-
Ethylbenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
Isopropylbenzene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
m,p-Xylenes	-	-	-	ND (0.0073)	-	-	ND (0.0031)	-	-	ND (0.007)	-	-	-	-	ND (0.0022)	-	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.0073)	-	-	ND (0.0031)	-	-	ND (0.007)	-	-	-	-	ND (0.0022)	-	-	-
Methylene chloride	-	-	-	ND (0.073)	-	-	ND (0.0077)	-	-	ND (0.068)	-	-	-	-	ND (0.0056)	-	-	-
Naphthalene	-	-	-	ND (0.0073)	-	-	ND (0.0077)	-	-	ND (0.007)	-	-	-	-	ND (0.0056)	-	-	-
o-Xylene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
Styrene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	0.0026	-	-	-
Tetrachloroethene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
Toluene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	0.0018	-	-	-
Trichloroethene	-	-	-	ND (0.0073)	-	-	ND (0.0015)	-	-	ND (0.007)	-	-	-	-	ND (0.0011)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	ND	-	-	ND	-	-	ND	-	-	-	-	0.0083	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	ND (2.1)	-	-	1.5	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
1,3-Dichlorobenzene	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
1,4-Dichlorobenzene	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
2,4-Dimethylphenol	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
2-Chloronaphthalene	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
2-Methylnaphthalene	-	-	-	ND (2.1)	-	-	0.79	-	-	ND (0.5)	-	-	-	-	0.32	-	-	-
2-Methylphenol	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
3&4-Methylphenol	-	-	-	ND (2.1)	-	-	0.76	-	-	ND (0.5)	-	-	-	-	0.7	-	-	-
Acenaphthene	-	-	-	ND (2.1)	-	-	0.92	-	-	ND (0.5)	-	-	-	-	ND (0.18)	-	-	-
Acenaphthylene	-	-	-	ND (2.1)	-	-	0.24	-	-	ND (0.5)	-	-	-	-	ND (0.18)	-	-	-
Acetophenone	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	0.61	-	-	-
Aniline	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Anthracene	-	-	-	ND (2.1)	-	-	1.9	-	-	1.4	-	-	-	-	0.27	-	-	-
Benzo(a)anthracene	-	-	-	3.2	-	-	4.7	-	-	4.7	-	-	-	-	0.53	-	-	-
Benzo(a)pyrene	-	-	-	3	-	-	4.2	-	-	2.2	-	-	-	-	0.46	-	-	-
Benzo(b)fluoranthene	-	-	-	4.2	-	-	6.5	-	-	2.4	-	-	-	-	0.68	-	-	-
Benzo(g,h,i)perylene	-	-	-	ND (2.1)	-	-	2.3	-	-	0.56	-	-	-	-	0.37	-	-	-
Benzo(k)fluoranthene	-	-	-	ND (2.1)	-	-	2.1	-	-	0.85	-	-	-	-	0.26	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	2.6	-	-	3.6	-	-	ND (0.5)	-	-	-	-	0.54	-	-	-
Butyl benzylphthalate	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Carbazole	-	-	-	ND (2.1)	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-	-	-
Chrysene	-	-	-	3	-	-	5.3	-	-	3.4	-	-	-	-	0.57	-	-	-
Dibenz(a,h)anthracene	-	-	-	ND (2.1)	-	-	0.75	-	-	ND (0.5)	-	-	-	-	ND (0.18)	-	-	-
Dibenzofuran	-	-	-	ND (2.1)	-	-	0.73	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Diethyl phthalate	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Di-n-butylphthalate	-	-	-	ND (2.1)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Fluoranthene	-	-	-	5.8	-	-	10	-	-	4.5	-	-	-	-	1.3	-	-	-
Fluorene	-	-	-	ND (2.1)	-	-	0.92	-	-	0.51	-	-	-	-	ND (0.18)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	ND (2.1)	-	-	2.6	-	-	0.71	-	-	-	-	0.41	-	-	-
Naphthalene	-	-	-	ND (2.1)	-	-	1.4	-	-	ND (0.5)	-	-	-	-	1.1	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (2.1)	-	-	-	-	-	ND (0.5)	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	-	ND (8.2)	-	-	ND (0.4)	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Phenanthrene	-	-	-	4.8	-	-	8.2	-	-	3.3	-	-	-	-	1.1	-	-	-
Phenol	-	-	-	ND (2.1)	-	-	4	-	-	ND (0.5)	-	-	-	-	ND (0.37)	-	-	-
Pyrene	-	-	-	4.7	-	-	8.5	-	-	8.6	-	-	-	-	1.1	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	31.3	-	-	71.91	-	-	33.13	-	-	-	-	10.32	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	2500	-	-	-	-	-	-	-	600	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	F14	F14	F14	F14	F14	F14	F14A	F15	F15	F15	G14	G14	G14	G14	H11	H11	I10	I11
Sample Name	F14_S1_0.7-7.0	Z14_S1_0.7-7.0	F14_S2_7.7-9.7	F14_S3_7.7-12.7	F14_S3_9.7-11.7	F14_S4_11.7-13.7	F14A_S1_8.0-13.7	F15_S1_0.5-5.4	F15_S2_16.5-18.5	F15_S3_16.5-18.5	G14_S1_0.5-7	G14_S2_7.5-9.5	G14_S3_9.5-11.5	G14_S4_11.5-13.5	H11_S1_8.0-9.0	H11_S2_8-9	I10_S1_7.0-8.7	I11_S1_7.0-8.9
Sample Date	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	01/07/2011	02/27/2015	12/22/2010	12/23/2010	12/23/2010	12/22/2010	12/22/2010	12/22/2010	12/22/2010	02/18/2015	02/18/2015	02/27/2015	02/27/2015
Lab Sample ID	139039-1	139039-7	139039-2	139039-15 139039-20 139039-23 139189-1 139189-7	139039-3	139039-4	15B0900-01 15C0232-01	138765-9	138796-6	138796-21 138796-26 138796-31 138974-1	138765-16	138765-17	138765-18	138765-19	15B0587-01	15C0016-01	15B0904-01	15B0901-01
Sample Depth (bgs)	0.7 - 7 (ft)	0.7 - 7 (ft)	7.7 - 9.7 (ft)	7.7 - 12.7 (ft)	9.7 - 11.7 (ft)	11.7 - 13.7 (ft)	8 - 13.7 (ft)	0.5 - 5.4 (ft)	16.5 - 18.5 (ft)	16.5 - 18.5 (ft)	0.5 - 7 (ft)	7.5 - 9.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	8 - 9 (ft)	8 - 9 (ft)	7 - 8.7 (ft)	7 - 8.9 (ft)
Sample Elevation (ft BCB)	21 to 14.7	21 to 14.7	14 to 12	14 to 9	12 to 10	10 to 8	13.7 to 8	21 to 16.1	5 to 3	5 to 3	20.9 to 14.4	13.9 to 11.9	11.9 to 9.9	9.9 to 7.9	13 to 12	13 to 12	13.7 to 12	13.9 to 12
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL	FILL	FILL				
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	700	-	-	-	-	-	190	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	760	-	-	-	-	-	240	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	890	-	-	-	-	-	88	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	230	-	-	-	-	-	32	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	66	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-
Arsenic	-	-	-	ND (3.8)	-	-	ND (2.9)	-	-	18	-	-	-	-	4.6	-	-	-
Barium	-	-	-	510	-	-	510	-	-	210	-	-	-	-	92	-	-	-
Beryllium	-	-	-	ND (0.38)	-	-	-	-	-	ND (0.41)	-	-	-	-	-	-	-	-
Cadmium	-	-	-	22	-	-	31	-	-	2.5	-	-	-	-	1.3	-	-	-
Chromium	-	-	-	120	-	-	130	-	-	11	-	-	-	-	21	-	-	-
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	13000	-	-	12000	-	-	430	-	-	-	-	1200	-	-	-
Mercury	-	-	-	9	-	-	3.7	-	-	1.7	-	-	-	-	2.1	-	-	-
Nickel	-	-	-	160	-	-	-	-	-	15	-	-	-	-	-	-	-	-
Selenium	-	-	-	ND (6.4)	-	-	ND (5.8)	-	-	ND (6.8)	-	-	-	-	ND (5.6)	-	-	-
Silver	-	-	-	ND (1.3)	-	-	ND (1.2)	-	-	ND (1.4)	-	-	-	-	ND (0.56)	-	-	-
Thallium	-	-	-	ND (6.4)	-	-	-	-	-	ND (6.8)	-	-	-	-	-	-	-	-
Vanadium	-	-	-	530	-	-	-	-	-	29	-	-	-	-	-	-	-	-
Zinc	-	-	-	2500	-	-	-	-	-	1500	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	0.17	-	-	0.33	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	ND (0.1)	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	120	-	-	58	-	-	2.6	-	-	-	-	-	-	-	-
Mercury	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.46)	ND (0.045)	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	-	ND (5.4)	ND (2.3)	ND (47)
Aroclor-1221 (PCB-1221)	ND (0.46)	ND (0.045)	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	-	ND (5.4)	ND (2.3)	ND (47)
Aroclor-1232 (PCB-1232)	ND (0.46)	ND (0.045)	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	-	ND (5.4)	ND (2.3)	ND (47)
Aroclor-1242 (PCB-1242)	ND (0.46)	ND (0.045)	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	-	ND (5.4)	ND (2.3)	ND (47)
Aroclor-1248 (PCB-1248)	2.1	3.6	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	1.3	ND (0.045)	ND (0.045)	ND (0.055)	-	33	5.4	230
Aroclor-1254 (PCB-1254)	ND (0.46)	ND (0.045)	520	-	300	670	-	0.36	ND (0.06)	-	ND (0.045)	0.43	ND (0.045)	ND (0.055)	-	44	12	350
Aroclor-1260 (PCB-1260)	ND (0.46)	0.33	200	-	170	240	-	0.24	ND (0.06)	-	0.22	0.4	ND (0.045)	ND (0.055)	-	29	11	200
Aroclor-1262 (PCB-1262)	ND (0.46)	ND (0.045)	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	-	ND (5.4)	ND (2.3)	ND (47)
Aroclor-1268 (PCB-1268)	ND (0.46)	ND (0.045)	ND (48)	-	ND (49)	ND (64)	-	ND (0.044)	ND (0.06)	-	ND (0.045)	ND (0.045)	ND (0.045)	ND (0.055)	-	ND (5.4)	ND (2.3)	ND (47)
SUM of PCBs	2.1	3.93	720	-	470	910	-	0.6	ND	-	1.52	0.83	ND	ND	-	106	28.4	780
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	84	-	-	-	-	-	-	-	92.4	93.1	88.5	86
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	-	-	-	-	165 >	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	-	-	ND (4)	-	-	ND (50)	-	-	-	-	ND (4)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	-	-	ND (20)	-	-	ND (100)	-	-	-	-	ND (20)	-	-	-
Oxidation reduction potential (mv)	-	-	-	510	-	-	95	-	-	-	-	-	-	-	78	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0	-	-	-
pH Corrosivity (pH units)	-	-	-	7	-	-	9.7	-	-	7.2	-	-	-	-	10	-	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	2	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	2.2	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	2.1	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.5)	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	3.3	-	-	-	-	-	ND (2.1)	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	I12	I12	I12	I12	I12	I12	I12A	I12A	I13	I14	I14	I14	I16	I16	I16	I16	I8	I8	J10
Sample Name	I12_S1_0.5-5.5	X12_S1_0.5-5.5	I12_S2_6.5-7.8	I12_S3_8.5-10.5	X12_S3_8.5-10.5	I12_S4_10.5-12.5	I12A_S1_6.5-8.9	I12A_S2_6.9-8.9	I13_S1_0.9-2.9	I14_S1_0.5-4.8	I14_S2_6-6.9	I14_S7_6-16	I16_S1_0.9-4.4	I16_S2_4.8-6.4	I16_S4_4.8-12.4	I16_S3_6.4-8.4	I8_S1_0.5-6.0	I8_S2_6.5-8.5	J10_S1_6-8
Sample Date	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015	01/06/2011	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	12/20/2010	12/21/2010	01/26/2015
Lab Sample ID	139155-9	139155-10	139155-11	139155-12	139155-13	139155-14	15A0850-01	15A0850-02	139017-11	134231-1 134231-38 134231-45	134231-2	134231-39 134231-46 134231-7	134231-27 134231-43 134231-50 134366-1	134231-28	134231-30 134231-44 134231-51 134366-2	134231-29	138726-1	138733-1	15A0881-01
Sample Depth (bgs)	0.5 - 5.5 (ft)	0.5 - 5.5 (ft)	6.5 - 7.8 (ft)	8.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	0.9 - 2.9 (ft)	0.5 - 4.8 (ft)	6 - 6.9 (ft)	6 - 16 (ft)	0.9 - 4.4 (ft)	4.8 - 6.4 (ft)	4.8 - 12.4 (ft)	6.4 - 8.4 (ft)	0.5 - 6 (ft)	6.5 - 8.5 (ft)	6 - 8 (ft)
Sample Elevation (ft BCB)	20 to 15	20 to 15	14 to 12.7	12 to 10	12 to 10	10 to 8	14.4 to 12	14 to 12	20 to 18	20.5 to 16.2	15 to 14.1	15 to 5	19.5 to 16	15.6 to 14	15.6 to 8	14 to 12	18 to 12.5	12 to 10	14.5 to 12.5
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	-	-	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Benzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.005)	-	0.009	ND (0.005)	-	ND (0.005)	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	ND (0.0038)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Methylene chloride	-	-	-	-	-	-	ND (0.0094)	-	-	ND (0.05)	-	ND (0.05)	ND (0.053)	-	ND (0.05)	-	-	-	-
Naphthalene	-	-	-	-	-	-	ND (0.0094)	-	-	0.006	-	ND (0.005)	ND (0.005)	-	0.011	-	-	-	-
o-Xylene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Styrene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Toluene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
Trichloroethene	-	-	-	-	-	-	ND (0.0019)	-	-	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	-	-	-	-
SUM of Volatile Organic Compounds	-	-	-	-	-	-	ND	-	-	0.006	-	0.009	ND	-	0.011	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	0.19	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Acenaphthene	-	-	-	-	-	-	0.66	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	2.4	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	ND (0.19)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Acetophenone	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Aniline	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Anthracene	-	-	-	-	-	-	1.1	-	-	ND (0.33)	-	ND (0.35)	0.48	-	3.1	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	2.4	-	-	0.73	-	ND (0.35)	1.1	-	9.6	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	2	-	-	0.68	-	ND (0.35)	1	-	8.7	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	2.3	-	-	0.95	-	ND (0.35)	1.5	-	12	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	1.1	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	4.7	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	0.91	-	-	0.36	-	ND (0.35)	0.63	-	4.9	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	0.4	-	ND (1.7)	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	3.2	-	-	-	-
Chrysene	-	-	-	-	-	-	2.3	-	-	0.75	-	ND (0.35)	1.1	-	9.9	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	0.29	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	1.7	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	0.39	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Fluoranthene	-	-	-	-	-	-	5	-	-	1.4	-	ND (0.35)	2.3	-	21	-	-	-	-
Fluorene	-	-	-	-	-	-	0.55	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	1.9	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	1.2	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	5.7	-	-	-	-
Naphthalene	-	-	-	-	-	-	0.46	-	-	0.33	-	ND (0.35)	0.46	-	ND (1.7)	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Pentachlorophenol	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Phenanthrene	-	-	-	-	-	-	4.2	-	-	0.98	-	ND (0.35)	1.8	-	16	-	-	-	-
Phenol	-	-	-	-	-	-	ND (0.37)	-	-	ND (0.33)	-	ND (0.35)	ND (0.36)	-	ND (1.7)	-	-	-	-
Pyrene	-	-	-	-	-	-	4.3	-	-	1.3	-	ND (0.35)	2.1	-	17	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	-	29.35	-	-	7.48	-	ND	12.87	-	121.8	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	500	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	I12	I12	I12	I12	I12	I12	I12A	I12A	I13	I14	I14	I14	I16	I16	I16	I16	I8	I8	J10
Sample Name	I12_S1_0.5-5.5	X12_S1_0.5-5.5	I12_S2_6.5-7.8	I12_S3_8.5-10.5	X12_S3_8.5-10.5	I12_S4_10.5-12.5	I12A_S1_6.5-8.9	I12A_S2_6.9-8.9	I13_S1_0.9-2.9	I14_S1_0.5-4.8	I14_S2_6-6.9	I14_S7_6-16	I16_S1_0.9-4.4	I16_S2_4.8-6.4	I16_S4_4.8-12.4	I16_S3_6.4-8.4	I8_S1_0.5-6.0	I8_S2_6.5-8.5	J10_S1_6-8
Sample Date	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015	01/06/2011	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	06/23/2010	12/20/2010	12/21/2010	01/26/2015
Lab Sample ID	139155-9	139155-10	139155-11	139155-12	139155-13	139155-14	15A0850-01	15A0850-02	139017-11	134231-1 134231-38 134231-45	134231-2	134231-39 134231-46 134231-7	134231-27 134231-43 134231-50 134366-1	134231-28	134231-30 134231-44 134231-51 134366-2	134231-29	138726-1	138733-1	15A0881-01
Sample Depth (bgs)	0.5 - 5.5 (ft)	0.5 - 5.5 (ft)	6.5 - 7.8 (ft)	8.5 - 10.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	6.5 - 8.9 (ft)	6.9 - 8.9 (ft)	0.9 - 2.9 (ft)	0.5 - 4.8 (ft)	6 - 6.9 (ft)	6 - 16 (ft)	0.9 - 4.4 (ft)	4.8 - 6.4 (ft)	4.8 - 12.4 (ft)	6.4 - 8.4 (ft)	0.5 - 6 (ft)	6.5 - 8.5 (ft)	6 - 8 (ft)
Sample Elevation (ft BCB)	20 to 15	20 to 15	14 to 12.7	12 to 10	12 to 10	10 to 8	14.4 to 12	14 to 12	20 to 18	20.5 to 16.2	15 to 14.1	15 to 5	19.5 to 16	15.6 to 14	15.6 to 8	14 to 12	18 to 12.5	12 to 10	14.5 to 12.5
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL			FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	88	-	ND (31)	100	-	740	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	110	-	ND (31)	120	-	920	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	90	-	40	150	-	1600	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (31)	-	ND (31)	ND (34)	-	37	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	1.2	-	ND (1.1)	2.2	-	3.9	-	-	-	-
Arsenic	-	-	-	-	-	-	ND (2.7)	-	-	ND (3.2)	-	ND (3.3)	ND (3.5)	-	ND (3.1)	-	-	-	-
Barium	-	-	-	-	-	-	39	-	-	48	-	28	84	-	62	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	ND (0.32)	-	ND (0.33)	ND (0.35)	-	ND (0.31)	-	-	-	-
Cadmium	-	-	-	-	-	-	ND (0.27)	-	-	0.96	-	1.3	1.5	-	4.7	-	-	-	-
Chromium	-	-	-	-	-	-	20	-	-	19	-	7.7	26	-	22	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	39	-	-	69	-	24	130	-	500	-	-	-	-
Mercury	-	-	-	-	-	-	0.094	-	-	0.27	-	0.047	0.53	-	0.52	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	13	-	ND (5.5)	19	-	19	-	-	-	-
Selenium	-	-	-	-	-	-	ND (5.5)	-	-	ND (5.3)	-	ND (5.5)	ND (5.8)	-	ND (5.2)	-	-	-	-
Silver	-	-	-	-	-	-	ND (0.55)	-	-	ND (1.1)	-	ND (1.1)	ND (1.2)	-	ND (1)	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	ND (5.3)	-	ND (5.5)	ND (5.8)	-	ND (5.2)	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	21	-	13	31	-	43	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	81	-	64	140	-	430	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	6.9	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
Aroclor-1221 (PCB-1221)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
Aroclor-1232 (PCB-1232)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
Aroclor-1242 (PCB-1242)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
Aroclor-1248 (PCB-1248)	0.82	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	0.14	0.51	0.92	ND (0.041)	-	0.97	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
Aroclor-1254 (PCB-1254)	ND (0.044)	0.97	35	0.6	1.9	0.32	-	0.17	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	16	-	15	0.081	ND (0.044)	9800
Aroclor-1260 (PCB-1260)	0.38	0.39	23	0.38	1.2	0.2	-	0.11	0.17	0.18	ND (0.041)	-	ND (0.45)	13	-	8.7	0.053	0.39	1200
Aroclor-1262 (PCB-1262)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
Aroclor-1268 (PCB-1268)	ND (0.044)	ND (0.045)	ND (4.8)	ND (0.047)	ND (0.045)	ND (0.041)	-	ND (0.11)	ND (0.044)	ND (0.043)	ND (0.041)	-	ND (0.45)	ND (4.4)	-	ND (4.2)	ND (0.049)	ND (0.044)	ND (1100)
SUM of PCBs	1.2	1.36	58	0.98	3.1	0.52	-	0.42	0.68	1.1	ND	-	0.97	29	-	23.7	0.134	0.39	11000
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	91.4	92.4	-	-	-	-	-	-	-	-	-	-	89.2
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	165 >	-	165 >	165 >	-	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	-	-	-	ND (3.9)	-	-	ND (50)	-	ND (50)	ND (50)	-	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	-	-	-	ND (19)	-	-	ND (100)	-	ND (100)	ND (100)	-	ND (100)	-	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	86	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	-	-	-	11	-	-	8.5	-	8.1	8.2	-	8.5	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	ND (1.3)	-	ND (1.2)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	ND (1.3)	-	ND (1.2)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	ND (1.3)	-	ND (1.2)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	ND (1.3)	-	ND (1.2)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	ND (1)	-	ND (1)	1.6	-	1.7	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	J11	J11	J11	J11	J11	J11A	J11A	J12	J12	J12	J12	J12A	J13	J13	J13	J13	J13	J13A	J14
Sample Name	J11_S1_0.5-4.0	Z11_S1_0.5-4.0	J11_S2_4.5-5.0	J11_S3_6.5-8.0	J11_S4_8.5-10.5	J11A_S1_5-8	J11A_S2_5-6	J12_S1_0.5-4.2	J12_S2_4.5-6.5	J12_S3_6.5-8.5	J12_S4_8.5-10.5	J12A_S1_5-8	J13_S1_4.5-5.5	J13_S2_6.5-8.5	Y25_S1_4-6	J13_S3_8.5-10.5	J13_S4_10.5-12.5	J13A_S1_5-8.5	J14_S1_0.4-4.6
Sample Date	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/26/2015	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/26/2015	06/24/2010
Lab Sample ID	139155-1	139155-8	139155-2	139155-3	139155-4	15A0848-01 15B0014-01	15A0848-02	138765-10	138765-11	138765-12	138765-13	15A0846-01 15B0013-01	138980-5	138980-6	138980-10	138980-7	138980-8	15A0851-01	134271-58 134271-73 134271-84
Sample Depth (bgs)	0.5 - 4 (ft)	0.5 - 4 (ft)	4.5 - 5 (ft)	6.5 - 8 (ft)	8.5 - 10.5 (ft)	5 - 8 (ft)	5 - 6 (ft)	0.5 - 4.2 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	5 - 8 (ft)	4.5 - 5.5 (ft)	6.5 - 8.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	5 - 8.5 (ft)	0.4 - 4.6 (ft)
Sample Elevation (ft BCB)	20 to 16.5	20 to 16.5	16 to 15.5	14 to 12.5	12 to 10	15.6 to 12.6	15.6 to 14.6	20 to 16.3	16 to 14	14 to 12	12 to 10	15.5 to 12.5	16.1 to 15.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	15.6 to 12.1	20.2 to 16
Soil Description	FILL	FILL	FILL	FILL	FILL	-	-	FILL	FILL	FILL	FILL	-	FILL	FILL	FILL	FILL	FILL	-	FILL
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	ND (0.0045)	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	ND (0.0045)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	0.0031	ND (0.005)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Benzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Chlorobenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	ND (0.0045)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	0.0029	ND (0.005)
Ethylbenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Isopropylbenzene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
m,p-Xylenes	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	ND (0.0045)	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	-	-	ND (0.0034)	-	-	-	-	-	ND (0.0036)	-	-	-	-	-	ND (0.0045)	ND (0.005)
Methylene chloride	-	-	-	-	-	ND (0.0086)	-	-	-	-	-	ND (0.009)	-	-	-	-	-	ND (0.011)	ND (0.05)
Naphthalene	-	-	-	-	-	ND (0.0086)	-	-	-	-	-	ND (0.009)	-	-	-	-	-	0.015	ND (0.005)
o-Xylene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Styrene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	0.0029	ND (0.005)
Tetrachloroethene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Toluene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
Trichloroethene	-	-	-	-	-	ND (0.0017)	-	-	-	-	-	ND (0.0018)	-	-	-	-	-	ND (0.0023)	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	-	-	ND	-	-	-	-	-	ND	-	-	-	-	-	0.0239	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
1,2-Dichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
1,3-Dichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
1,4-Dichlorobenzene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
2,4-Dimethylphenol	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
2-Chloronaphthalene	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
2-Methylnaphthalene	-	-	-	-	-	0.27	-	-	-	-	-	0.48	-	-	-	-	-	0.34	ND (0.35)
2-Methylphenol	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
3&4-Methylphenol	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	0.44	ND (0.35)
Acenaphthene	-	-	-	-	-	ND (0.19)	-	-	-	-	-	0.24	-	-	-	-	-	ND (0.22)	ND (0.35)
Acenaphthylene	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (0.22)	ND (0.35)
Acetophenone	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
Aniline	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
Anthracene	-	-	-	-	-	0.4	-	-	-	-	-	0.68	-	-	-	-	-	0.45	ND (0.35)
Benzo(a)anthracene	-	-	-	-	-	0.88	-	-	-	-	-	1.2	-	-	-	-	-	1.1	0.63
Benzo(a)pyrene	-	-	-	-	-	0.79	-	-	-	-	-	0.96	-	-	-	-	-	0.92	0.56
Benzo(b)fluoranthene	-	-	-	-	-	0.97	-	-	-	-	-	1.1	-	-	-	-	-	1.1	0.85
Benzo(g,h,i)perylene	-	-	-	-	-	0.46	-	-	-	-	-	0.54	-	-	-	-	-	0.53	ND (0.35)
Benzo(k)fluoranthene	-	-	-	-	-	0.38	-	-	-	-	-	0.47	-	-	-	-	-	0.44	ND (0.35)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	0.51	-	-	-	-	-	0.55	-	-	-	-	-	0.9	0.47
Butyl benzylphthalate	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)
Chrysene	-	-	-	-	-	0.92	-	-	-	-	-	1.2	-	-	-	-	-	1.2	0.65
Dibenz(a,h)anthracene	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (0.19)	-	-	-	-	-	ND (0.22)	ND (0.35)
Dibenzofuran	-	-	-	-	-	ND (0.37)	-	-	-	-	-	0.44	-	-	-	-	-	ND (0.44)	ND (0.35)
Diethyl phthalate	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
Di-n-butylphthalate	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
Fluoranthene	-	-	-	-	-	2.1	-	-	-	-	-	3.3	-	-	-	-	-	2.7	1.4
Fluorene	-	-	-	-	-	0.21	-	-	-	-	-	0.37	-	-	-	-	-	0.25	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	0.53	-	-	-	-	-	0.68	-	-	-	-	-	0.56	ND (0.35)
Naphthalene	-	-	-	-	-	0.73	-	-	-	-	-	1.8	-	-	-	-	-	1.2	ND (0.35)
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.35)
Pentachlorophenol	-	-	-	-	-	ND (0.37)	-	-	-	-	-	0.58	-	-	-	-	-	ND (0.44)	ND (0.35)
Phenanthrene	-	-	-	-	-	1.7	-	-	-	-	-	3.3	-	-	-	-	-	2	1.2
Phenol	-	-	-	-	-	ND (0.37)	-	-	-	-	-	ND (0.39)	-	-	-	-	-	ND (0.44)	ND (0.35)
Pyrene	-	-	-	-	-	2	-	-	-	-	-	3.1	-	-	-	-	-	2.6	1.2
SUM of Semi-Volatile Organic Compounds	-	-	-	-	-	12.85	-	-	-	-	-	20.99	-	-	-	-	-	16.73	6.96
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	690	-	-	-	-	-	330	-	-	-	-	-	410	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	J11	J11	J11	J11	J11	J11A	J11A	J12	J12	J12	J12	J12A	J13	J13	J13	J13	J13	J13A	J14
Sample Name	J11_S1_0.5-4.0	Z11_S1_0.5-4.0	J11_S2_4.5-5.0	J11_S3_6.5-8.0	J11_S4_8.5-10.5	J11A_S1_5-8	J11A_S2_5-6	J12_S1_0.5-4.2	J12_S2_4.5-6.5	J12_S3_6.5-8.5	J12_S4_8.5-10.5	J12A_S1_5-8	J13_S1_4.5-5.5	J13_S2_6.5-8.5	Y25_S1_4-6	J13_S3_8.5-10.5	J13_S4_10.5-12.5	J13A_S1_5-8.5	J14_S1_0.4-4.6
Sample Date	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/13/2011	01/26/2015	01/26/2015	12/22/2010	12/22/2010	12/22/2010	12/22/2010	01/26/2015	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/05/2011	01/26/2015	06/24/2010
Lab Sample ID	139155-1	139155-8	139155-2	139155-3	139155-4	15A0848-01 15B0014-01	15A0848-02	138765-10	138765-11	138765-12	138765-13	15A0846-01 15B0013-01	138980-5	138980-6	138980-10	138980-7	138980-8	15A0851-01	134271-58 134271-73 134271-84
Sample Depth (bgs)	0.5 - 4 (ft)	0.5 - 4 (ft)	4.5 - 5 (ft)	6.5 - 8 (ft)	8.5 - 10.5 (ft)	5 - 8 (ft)	5 - 6 (ft)	0.5 - 4.2 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	5 - 8 (ft)	4.5 - 5.5 (ft)	6.5 - 8.5 (ft)	6.5 - 8.5 (ft)	8.5 - 10.5 (ft)	10.5 - 12.5 (ft)	5 - 8.5 (ft)	0.4 - 4.6 (ft)
Sample Elevation (ft BCB)	20 to 16.5	20 to 16.5	16 to 15.5	14 to 12.5	12 to 10	15.6 to 12.6	15.6 to 14.6	20 to 16.3	16 to 14	14 to 12	12 to 10	15.5 to 12.5	16.1 to 15.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	10.1 to 8.1	15.6 to 12.1	20.2 to 16
Soil Description	FILL	FILL	FILL	FILL	FILL			FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL	FILL		FILL
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (32)
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
Arsenic	-	-	-	-	-	ND (2.9)	-	-	-	-	-	ND (3)	-	-	-	-	-	ND (3.2)	ND (3.3)
Barium	-	-	-	-	-	86	-	-	-	-	-	79	-	-	-	-	-	88	26
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.33)
Cadmium	-	-	-	-	-	1.3	-	-	-	-	-	0.66	-	-	-	-	-	0.4	0.75
Chromium	-	-	-	-	-	29	-	-	-	-	-	9.5	-	-	-	-	-	17	13
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	570	-	-	-	-	-	100	-	-	-	-	-	88	37
Mercury	-	-	-	-	-	0.14	-	-	-	-	-	0.15	-	-	-	-	-	0.093	0.33
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7
Selenium	-	-	-	-	-	ND (5.8)	-	-	-	-	-	ND (6)	-	-	-	-	-	ND (6.4)	ND (5.6)
Silver	-	-	-	-	-	ND (0.58)	-	-	-	-	-	ND (0.6)	-	-	-	-	-	ND (0.64)	ND (1.1)
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.6)
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	0.047	-	-	-	-	-	0.096	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.046)	ND (0.045)	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	ND (0.045)	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	ND (0.044)
Aroclor-1221 (PCB-1221)	ND (0.046)	ND (0.045)	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	ND (0.045)	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	ND (0.044)
Aroclor-1232 (PCB-1232)	ND (0.046)	ND (0.045)	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	ND (0.045)	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	ND (0.044)
Aroclor-1242 (PCB-1242)	ND (0.046)	ND (0.045)	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	ND (0.045)	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	ND (0.044)
Aroclor-1248 (PCB-1248)	0.51	0.24	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	0.88	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	0.29
Aroclor-1254 (PCB-1254)	ND (0.046)	ND (0.045)	0.57	320	ND (5)	-	0.42	ND (0.045)	0.52	100	300	-	25	25	16	0.16	ND (0.077)	-	ND (0.044)
Aroclor-1260 (PCB-1260)	0.26	0.14	0.33	200	27	-	ND (0.1)	0.33	0.36	70	230	-	15	21	13	0.13	ND (0.077)	-	0.1
Aroclor-1262 (PCB-1262)	ND (0.046)	ND (0.045)	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	ND (0.045)	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	ND (0.044)
Aroclor-1268 (PCB-1268)	ND (0.046)	ND (0.045)	ND (0.045)	ND (45)	ND (5)	-	ND (0.1)	ND (0.045)	ND (0.048)	ND (25)	ND (46)	-	ND (4.4)	ND (4.7)	ND (4.6)	ND (0.048)	ND (0.077)	-	ND (0.044)
SUM of PCBs	0.77	0.38	0.9	520	27	-	0.42	1.21	0.88	170	530	-	40	46	29	0.29	ND	-	0.39
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	90.5	96.1	-	-	-	-	87.3	-	-	-	-	-	77.5	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	-	-	ND (4)	-	-	-	-	-	ND (4)	-	-	-	-	-	ND (3.9)	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	-	-	ND (20)	-	-	-	-	-	ND (20)	-	-	-	-	-	ND (20)	ND (100)
Oxidation reduction potential (mv)	-	-	-	-	-	73	-	-	-	-	-	110	-	-	-	-	-	110	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
pH Corrosivity (pH units)	-	-	-	-	-	11	-	-	-	-	-	11	-	-	-	-	-	11	7.3
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	J14	J14	J15	J15	J15	J15	J16	J16	J16	J16	J16A	J17	J17	J17	J17	J17A	J7	J7	J7
Sample Name	J14_S2_5-6.6	J14_S5_5-10.6	J15_S1_0.5-4.5	J15_S2_4.5-6.5	J15_S3_6.5-8.5	J15_S4_4.5-10.5	J16_S1_0.6-3.0	J16_S6_3.4-10.0	J16_S2_4.2-6.2	J16_S3_6.2-8.2	J16A_S1_3.4-10	J17_S1_0.9-3.8	J17_S2_4.1-6	J17_S7_4.1-11.4	J17_S3_6-8	J17A_S1_4.1-11.4	J7_S1_7.0-8.0	J7_S3_7-8	J7_S2_8-10
Sample Date	06/24/2010	06/24/2010	06/23/2010	06/23/2010	06/23/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/21/2010	07/21/2010	07/21/2010	07/21/2010	01/22/2015	03/04/2015	03/04/2015	03/04/2015
		134271-63						134271-59						134943-28					
		134271-74				134271-61		134271-65						134943-32					
		134271-85	134231-24			134271-68	134271-53	134271-76				134943-25		134943-37					
		134440-12	134231-42			134271-79	134271-64	134440-10			15B0057-01	134943-31		135123-3		15A0733-01			
Lab Sample ID	134271-46	134440-8	134231-49	134231-25	134231-26	134440-6	134271-75	134440-4	134271-1	134271-2	15B0293-01	134943-36	134943-11	135123-5	134943-12	15A0918-01	15C0148-01	15C0148-03	15C0148-02
Sample Depth (bgs)	5 - 6.6 (ft)	5 - 10.6 (ft)	0.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	4.5 - 10.5 (ft)	0.6 - 3 (ft)	3.4 - 10 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	3.4 - 10 (ft)	0.9 - 3.8 (ft)	4.1 - 6 (ft)	4.1 - 11.4 (ft)	6 - 8 (ft)	4.1 - 11.4 (ft)	7 - 8 (ft)	7 - 8 (ft)	8 - 10 (ft)
Sample Elevation (ft BCB)	15.6 to 14	15.6 to 10	20 to 16	16 to 14	14 to 12	16 to 10	19.6 to 17.2	16.8 to 10.2	16 to 14	14 to 12	16.8 to 10.2	19.1 to 16.2	15.9 to 14	15.9 to 8.6	14 to 12	16 to 8.7	11.1 to 10.1	11.1 to 10.1	10.1 to 8.1
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL				
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	ND (0.0042)	ND (0.0022)	-	ND (0.0021)
1,2,4-Trichlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	ND (0.0042)	ND (0.0022)	-	ND (0.0021)
1,2,4-Trimethylbenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
1,2-Dichlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
1,3,5-Trichlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	-	ND (0.005)	-	ND (0.005)	-	-	-	-	-
1,3-Dichlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
1,4-Dichlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Benzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Chlorobenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Chloroform (Trichloromethane)	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	ND (0.0042)	ND (0.0022)	-	ND (0.0021)
Cymene (p-Isopropyltoluene)	-	0.008	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Ethylbenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Isopropylbenzene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
m,p-Xylenes	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	ND (0.0042)	ND (0.0022)	-	ND (0.0021)
Methyl Tert Butyl Ether	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0025)	ND (0.005)	-	ND (0.005)	-	ND (0.0042)	ND (0.0022)	-	ND (0.0021)
Methylene chloride	-	ND (0.064)	ND (0.064)	-	-	ND (0.057)	ND (0.05)	ND (0.061)	-	-	ND (0.0064)	ND (0.05)	-	ND (0.05)	-	ND (0.011)	ND (0.0054)	-	ND (0.0053)
Naphthalene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	0.01	ND (0.006)	-	-	ND (0.0064)	ND (0.005)	-	ND (0.005)	-	ND (0.011)	ND (0.0054)	-	ND (0.0053)
o-Xylene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Styrene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Tetrachloroethene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Toluene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
Trichloroethene	-	ND (0.006)	ND (0.006)	-	-	ND (0.006)	ND (0.005)	ND (0.006)	-	-	ND (0.0013)	ND (0.005)	-	ND (0.005)	-	ND (0.0021)	ND (0.0011)	-	ND (0.0011)
SUM of Volatile Organic Compounds	-	0.008	ND	-	-	ND	0.01	ND	-	-	ND	ND	-	ND	-	ND	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	1.4	ND (0.36)	-	0.79	-	ND (0.39)	ND (0.42)	-	ND (0.42)
1,2-Dichlorobenzene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
1,3-Dichlorobenzene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
1,4-Dichlorobenzene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
2,4-Dimethylphenol	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
2-Chloronaphthalene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	1.1	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
2-Methylnaphthalene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.4)	ND (0.36)	-	ND (0.4)	-	ND (0.19)	ND (0.21)	-	ND (0.21)
2-Methylphenol	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
3&4-Methylphenol	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Acenaphthene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	0.45	ND (0.36)	-	0.58	-	0.23	ND (0.21)	-	ND (0.21)
Acenaphthylene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.4)	ND (0.36)	-	ND (0.4)	-	ND (0.19)	ND (0.21)	-	ND (0.21)
Acetophenone	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Aniline	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Anthracene	-	ND (0.38)	0.39	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	1.2	0.36	-	1.3	-	0.49	ND (0.21)	-	ND (0.21)
Benzo(a)anthracene	-	0.59	0.93	-	-	0.52	0.7	5.3	-	-	3.8	0.86	-	2.9	-	1	ND (0.21)	-	ND (0.21)
Benzo(a)pyrene	-	0.47	0.81	-	-	0.49	0.65	5.1	-	-	3.4	0.78	-	2.7	-	0.88	ND (0.21)	-	ND (0.21)
Benzo(b)fluoranthene	-	0.8	1.2	-	-	0.87	0.88	8.2	-	-	5.1	0.98	-	4.2	-	1	ND (0.21)	-	ND (0.21)
Benzo(g,h,i)perylene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	2.6	0.56	-	0.42	-	0.49	ND (0.21)	-	ND (0.21)
Benzo(k)fluoranthene	-	ND (0.38)	0.47	-	-	ND (0.36)	ND (0.39)	3	-	-	2.1	ND (0.36)	-	1.3	-	0.4	ND (0.21)	-	ND (0.21)
bis(2-Ethylhexyl)phthalate	-	0.63	ND (0.35)	-	-	0.47	0.54	2.7	-	-	4	ND (0.36)	-	1.3	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Butyl benzylphthalate	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Carbazole	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	-	ND (0.36)	-	0.58	-	-	-	-	-
Chrysene	-	0.62	0.97	-	-	0.58	0.69	5.6	-	-	4.2	0.8	-	3.1	-	1	0.23	-	ND (0.21)
Dibenz(a,h)anthracene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	0.5	ND (0.36)	-	ND (0.4)	-	ND (0.19)	ND (0.21)	-	ND (0.21)
Dibenzofuran	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	0.49	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Diethyl phthalate	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Di-n-butylphthalate	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Fluoranthene	-	1.5	2.1	-	-	1.2	1.5	10	-	-	7.9	1.7	-	6	-	2.3	0.47	-	0.38
Fluorene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	0.46	ND (0.36)	-	0.59	-	0.22	ND (0.21)	-	ND (0.21)
Indeno(1,2,3-cd)pyrene	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	0.4	2	-	-	2.2	0.53	-	0.65	-	0.49	ND (0.21)	-	ND (0.21)
Naphthalene	-	ND (0.38)	0.38	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	1.1	ND (0.36)	-	0.77	-	0.29	ND (0.21)	-	ND (0.21)
N-Nitrosodiphenylamine	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	-	ND (0.36)	-	ND (0.4)	-	-	-	-	-
Pentachlorophenol	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.73)	-	ND (0.8)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Phenanthrene	-	1.3	1.8	-	-	0.81	0.96	5.8	-	-	4.6	1.4	-	5	-	2.1	0.51	-	0.33
Phenol	-	ND (0.38)	ND (0.35)	-	-	ND (0.36)	ND (0.39)	ND (1.9)	-	-	ND (0.8)	ND (0.36)	-	ND (0.4)	-	ND (0.39)	ND (0.42)	-	ND (0.42)
Pyrene	-	1.3	1.9	-	-	1	1.3	8.5	-	-	7.1	1.6	-	4.9	-	2.3	0.46	-	0.38
SUM of Semi-Volatile Organic Compounds	-	7.21	10.95	-	-	5.94	7.62	56.2	-	-	53.21	9.57	-	37.57	-	13.19	1.67	-	1.09
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	3400	-	-	-	-	800	120	-	62

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	J14	J14	J15	J15	J15	J15	J16	J16	J16	J16	J16A	J17	J17	J17	J17	J17A	J7	J7	J7
Sample Name	J14_S2_5-6.6	J14_S5_5-10.6	J15_S1_0.5-4.5	J15_S2_4.5-6.5	J15_S3_6.5-8.5	J15_S4_4.5-10.5	J16_S1_0.6-3.0	J16_S6_3.4-10.0	J16_S2_4.2-6.2	J16_S3_6.2-8.2	J16A_S1_3.4-10	J17_S1_0.9-3.8	J17_S2_4.1-6	J17_S7_4.1-11.4	J17_S3_6-8	J17A_S1_4.1-11.4	J7_S1_7.0-8.0	J7_S3_7-8	J7_S2_8-10
Sample Date	06/24/2010	06/24/2010	06/23/2010	06/23/2010	06/23/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	02/03/2015	07/21/2010	07/21/2010	07/21/2010	07/21/2010	01/22/2015	03/04/2015	03/04/2015	03/04/2015
		134271-63						134271-59						134943-28					
		134271-74				134271-61		134271-65						134943-32					
		134271-85	134231-24			134271-68	134271-53	134271-76				134943-25		134943-37					
		134440-12	134231-42			134271-79	134271-64	134440-10			15B0057-01	134943-31		135123-3		15A0733-01			
Lab Sample ID	134271-46	134440-8	134231-49	134231-25	134231-26	134440-6	134271-75	134440-4	134271-1	134271-2	15B0293-01	134943-36	134943-11	135123-5	134943-12	15A0918-01	15C0148-01	15C0148-03	15C0148-02
Sample Depth (bgs)	5 - 6.6 (ft)	5 - 10.6 (ft)	0.5 - 4.5 (ft)	4.5 - 6.5 (ft)	6.5 - 8.5 (ft)	4.5 - 10.5 (ft)	0.6 - 3 (ft)	3.4 - 10 (ft)	4.2 - 6.2 (ft)	6.2 - 8.2 (ft)	3.4 - 10 (ft)	0.9 - 3.8 (ft)	4.1 - 6 (ft)	4.1 - 11.4 (ft)	6 - 8 (ft)	4.1 - 11.4 (ft)	7 - 8 (ft)	7 - 8 (ft)	8 - 10 (ft)
Sample Elevation (ft BCB)	15.6 to 14	15.6 to 10	20 to 16	16 to 14	14 to 12	16 to 10	19.6 to 17.2	16.8 to 10.2	16 to 14	14 to 12	16.8 to 10.2	19.1 to 16.2	15.9 to 14	15.9 to 8.6	14 to 12	16 to 8.7	11.1 to 10.1	11.1 to 10.1	10.1 to 8.1
Soil Description	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL		FILL	FILL	FILL	FILL				
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	150	200	-	-	190	75	400	-	-	-	140	-	540	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	200	210	-	-	200	84	490	-	-	-	170	-	570	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	110	250	-	-	280	81	300	-	-	-	130	-	600	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	ND (34)	ND (32)	-	-	ND (34)	ND (35)	54	-	-	-	ND (32)	-	140	-	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	17	ND (1)	-	-	ND (1.1)	1.3	67	-	-	-	ND (1.1)	-	720	-	-	-	-	-
Arsenic	-	4.2	ND (3.1)	-	-	ND (3.4)	ND (3.6)	8.7	-	-	27	3.4	-	6.9	-	25	21	-	6.1
Barium	-	130	41	-	-	100	51	630	-	-	650	57	-	280	-	120	56	-	45
Beryllium	-	ND (0.35)	ND (0.31)	-	-	ND (0.34)	ND (0.36)	ND (0.34)	-	-	-	ND (0.33)	-	ND (0.36)	-	-	-	-	-
Cadmium	-	5.5	1	-	-	1.3	1.3	18	-	-	17	1.2	-	13	-	1.8	0.97	-	0.62
Chromium	-	39	14	-	-	13	23	73	-	-	82	20	-	39	-	18	16	-	21
Chromium VI (Hexavalent)	-	ND (1)	-	-	-	-	-	ND (1)	-	-	-	-	-	ND (1)	-	-	-	-	-
Lead	-	1000	58	-	-	180	71	8400	-	-	14000	92	-	9600	-	560	52	-	56
Mercury	-	4.9	0.22	-	-	0.29	0.5	7.1	-	-	3	0.36	-	2.7	-	0.83	0.2	-	0.069
Nickel	-	27	10	-	-	17	16	120	-	-	-	12	-	70	-	-	-	-	-
Selenium	-	ND (5.8)	ND (5.2)	-	-	ND (5.6)	ND (6.1)	ND (19)	-	-	ND (12)	ND (5.6)	-	ND (6)	-	ND (5.4)	ND (6)	-	ND (6.1)
Silver	-	ND (1.2)	ND (1)	-	-	ND (1.1)	ND (1.2)	ND (1.1)	-	-	ND (0.59)	ND (1.1)	-	ND (1.2)	-	ND (1.1)	ND (0.6)	-	ND (0.61)
Thallium	-	ND (5.8)	ND (5.2)	-	-	ND (5.6)	ND (6.1)	ND (5.6)	-	-	-	ND (5.6)	-	18	-	-	-	-	-
Vanadium	-	58	19	-	-	26	32	200	-	-	-	25	-	140	-	-	-	-	-
Zinc	-	540	86	-	-	140	94	2700	-	-	-	130	-	1900	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	2.8	-	-	-	2.7	-	170	-	-	86	-	-	ND (0.3)	-	0.68	-	-	-
Mercury	-	ND (0.0002)	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (490)	-	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.046)	-	ND (50)	ND (50)	-	ND (0.44)	ND (47)	-	ND (5)	-	-	ND (0.12)	-
Aroclor-1221 (PCB-1221)	ND (490)	-	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.046)	-	ND (50)	ND (50)	-	ND (0.44)	ND (47)	-	ND (5)	-	-	ND (0.12)	-
Aroclor-1232 (PCB-1232)	ND (490)	-	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.046)	-	ND (50)	ND (50)	-	ND (0.44)	ND (47)	-	ND (5)	-	-	ND (0.12)	-
Aroclor-1242 (PCB-1242)	ND (490)	-	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.046)	-	ND (50)	ND (50)	-	ND (0.44)	ND (47)	-	ND (5)	-	-	ND (0.12)	-
Aroclor-1248 (PCB-1248)	ND (490)	-	0.35	ND (0.046)	3.4	-	0.81	-	ND (50)	ND (50)	-	0.76	ND (47)	-	ND (5)	-	-	ND (0.12)	-
Aroclor-1254 (PCB-1254)	2100	-	ND (0.043)	0.14	ND (0.45)	-	ND (0.046)	-	490	480	-	ND (0.44)	200	-	27	-	-	ND (0.12)	-
Aroclor-1260 (PCB-1260)	3000	-	0.088	0.056	1.7	-	0.36	-	440	420	-	ND (0.44)	200	-	20	-	-	ND (0.12)	-
Aroclor-1262 (PCB-1262)	ND (490)	-	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.046)	-	ND (50)	ND (50)	-	ND (0.44)	ND (47)	-	ND (5)	-	-	ND (0.12)	-
Aroclor-1268 (PCB-1268)	ND (490)	-	ND (0.043)	ND (0.046)	ND (0.45)	-	ND (0.046)	-	ND (50)	ND (50)	-	ND (0.44)	ND (47)	-	ND (5)	-	-	ND (0.12)	-
SUM of PCBs	5100	-	0.438	0.196	5.1	-	1.17	-	930	900	-	0.76	400	-	47	-	-	ND	-
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	84.7	-	-	-	-	88.1	81.3	86	81
Ignitability (Flashpoint) (Deg F)	-	165 >	165 >	-	-	165 >	165 >	165 >	-	-	-	165 >	-	165 >	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	ND (50)	ND (50)	-	-	ND (50)	ND (50)	ND (50)	-	-	ND (4)	ND (50)	-	ND (50)	-	ND (4)	ND (4)	-	ND (4)
Reactive Sulfide (mg/kg)	-	ND (100)	ND (100)	-	-	ND (100)	ND (100)	ND (100)	-	-	ND (20)	ND (100)	-	ND (100)	-	ND (20)	ND (20)	-	ND (20)
Oxidation reduction potential (mv)	-	400	-	-	-	-	-	480	-	-	120	-	-	410	-	120	73	-	86
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	0	-	0
pH Corrosivity (pH units)	-	7.5	8.3	-	-	8.3	7.1	7.1	-	-	7.9	7.2	-	7.1	-	7.3	7.3	-	8.4
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	1.7	ND (1.2)	-	-	ND (1.5)	ND (1.2)	ND (1.6)	-	-	-	ND (1.1)	-	1.5	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	1.8	ND (1.2)	-	-	ND (1.5)	ND (1.2)	ND (1.6)	-	-	-	ND (1.1)	-	1.6	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	2.9	ND (1.2)	-	-	7.5	ND (1.2)	ND (1.6)	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (1.6)	ND (1.2)	-	-	5.8	ND (1.2)	ND (1.6)	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	4.1	1.4	-	-	13	ND (1.2)	ND (1.6)	-	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	J7	J8	J8	J8	J8	J8	J8	J8	J8	J9	J9	J9	J9	K10	K10	K10	K11	K11	K11	K11	K12	K12
Sample Name	J7_S4_8-10	J8_S1_0-8	J8_S3_4-6	Z5_S1_4-6	J8_S4_6-8	Z5_S2_6-8	J8_S2_8-10	J8_S5_8-10	Z5_S3_8-10	J9_S1_6-8	J9_S3_6-8	J9_S2_8-10	J9_S4_8-10	K10_S1_4-4.3	K10_S2_6-8	X10_S2_6-8	K11_S1_0.5-3.4	K11_S2_4-6	K11_S3_5-10	K11_S4_6-8	K12_S1_0.5-4	K12_S2_4-6
Sample Date	03/04/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/11/2011	01/11/2011	01/11/2011	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/04/2011	01/05/2011
Lab Sample ID	15C0148-04	15A0844-01 15B0011-01	15A0844-03	15A0845-01	15A0844-04	15A0845-02	15A0844-02 15B0011-02	15A0844-05	15A0845-03	15A0843-01 15B0010-01	15A0843-03	15A0843-02	15A0843-04	139103-14	139103-15	139103-18	138733-6	138733-7	138733-18 138733-30 138733-39 138975-1 138975-7	138733-8	138940-19	138980-1
Sample Depth (bgs)	8 - 10 (ft)	0 - 8 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	8 - 10 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 4.3 (ft)	6 - 8 (ft)	6 - 8 (ft)	0.5 - 3.4 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	0.5 - 4 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)	10.1 to 8.1	20 to 12	16 to 14	16 to 14	14 to 12	14 to 12	12 to 10	12 to 10	12 to 10	14.2 to 12.2	14.2 to 12.2	12.2 to 10.2	12.2 to 10.2	16 to 15.7	14 to 12	14 to 12	19.8 to 16.9	16.3 to 14.3	15.3 to 10.3	14.3 to 12.3	19.6 to 16.1	16.1 to 14.1
Soil Description														FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																						
1,2,3-Trichlorobenzene	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	ND (0.006)	-	-	-
1,2,4-Trichlorobenzene	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	ND (0.006)	-	-	-
1,2,4-Trimethylbenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	0.0012	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
1,2-Dichlorobenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.006)	-	-	-
1,3-Dichlorobenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
1,4-Dichlorobenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Benzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Chlorobenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Chloroform (Trichloromethane)	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	ND (0.006)	-	-	-
Cymene (p-Isopropyltoluene)	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Ethylbenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Isopropylbenzene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
m,p-Xylenes	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	ND (0.006)	-	-	-
Methyl Tert Butyl Ether	-	ND (0.0026)	-	-	-	-	ND (0.0033)	-	-	ND (0.0023)	-	ND (0.0023)	-	-	-	-	-	-	ND (0.006)	-	-	-
Methylene chloride	-	ND (0.0064)	-	-	-	-	ND (0.0083)	-	-	0.0062	-	ND (0.0057)	-	-	-	-	-	-	ND (0.059)	-	-	-
Naphthalene	-	ND (0.0064)	-	-	-	-	ND (0.0083)	-	-	0.11	-	ND (0.0057)	-	-	-	-	-	-	ND (0.006)	-	-	-
o-Xylene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Styrene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Tetrachloroethene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Toluene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
Trichloroethene	-	ND (0.0013)	-	-	-	-	ND (0.0017)	-	-	ND (0.0012)	-	ND (0.0011)	-	-	-	-	-	-	ND (0.006)	-	-	-
SUM of Volatile Organic Compounds	-	ND	-	-	-	-	ND	-	-	0.1174	-	ND	-	-	-	-	-	-	ND	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4-Trichlorobenzene	-	ND (0.38)	-	-	-	-	0.86	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	0.5	-	-	-
1,2-Dichlorobenzene	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
1,3-Dichlorobenzene	-	ND (0.38)	-	-	-	-	0.61	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
1,4-Dichlorobenzene	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
2,4-Dimethylphenol	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
2-Chloronaphthalene	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
2-Methylnaphthalene	-	0.63	-	-	-	-	0.24	-	-	0.2	-	ND (0.2)	-	-	-	-	-	-	ND (0.43)	-	-	-
2-Methylphenol	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
3&4-Methylphenol	-	ND (0.38)	-	-	-	-	0.77	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Acenaphthene	-	2.7	-	-	-	-	0.24	-	-	0.34	-	ND (0.2)	-	-	-	-	-	-	ND (0.43)	-	-	-
Acenaphthylene	-	ND (0.19)	-	-	-	-	0.59	-	-	0.22	-	0.89	-	-	-	-	-	-	ND (0.43)	-	-	-
Acetophenone	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Aniline	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Anthracene	-	5.2	-	-	-	-	0.9	-	-	0.8	-	1.4	-	-	-	-	-	-	0.8	-	-	-
Benzo(a)anthracene	-	7.7	-	-	-	-	4.9	-	-	1.9	-	7.4	-	-	-	-	-	-	2.3	-	-	-
Benzo(a)pyrene	-	7.4	-	-	-	-	4.5	-	-	1.6	-	7.5	-	-	-	-	-	-	2.3	-	-	-
Benzo(b)fluoranthene	-	7.3	-	-	-	-	4.9	-	-	2.1	-	7.4	-	-	-	-	-	-	3.6	-	-	-
Benzo(g,h,i)perylene	-	4.1	-	-	-	-	2.4	-	-	1.1	-	4.5	-	-	-	-	-	-	ND (0.43)	-	-	-
Benzo(k)fluoranthene	-	3	-	-	-	-	2	-	-	0.79	-	3.2	-	-	-	-	-	-	1.2	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	0.4	-	ND (0.41)	-	-	-	-	-	-	1.6	-	-	-
Butyl benzylphthalate	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	0.59	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-
Chrysene	-	7.2	-	-	-	-	4.3	-	-	1.8	-	6.5	-	-	-	-	-	-	2.3	-	-	-
Dibenz(a,h)anthracene	-	1.1	-	-	-	-	0.65	-	-	0.31	-	1	-	-	-	-	-	-	ND (0.43)	-	-	-
Dibenzofuran	-	1.7	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Diethyl phthalate	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Di-n-butylphthalate	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Fluoranthene	-	19	-	-	-	-	8.5	-	-	4	-	13	-	-	-	-	-	-	4.3	-	-	-
Fluorene	-	2.4	-	-	-	-	0.38	-	-	0.34	-	ND (0.2)	-	-	-	-	-	-	ND (0.43)	-	-	-
Indeno(1,2,3-cd)pyrene	-	5	-	-	-	-	3.2	-	-	1.4	-	5.3	-	-	-	-	-	-	0.53	-	-	-
Naphthalene	-	1.3	-	-	-	-	0.73	-	-	0.4	-	1.1	-	-	-	-	-	-	0.55	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.43)	-	-	-
Pentachlorophenol	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Phenanthrene	-	17	-	-	-	-	3.5	-	-	2.9	-	4.3	-	-	-	-	-	-	3.1	-	-	-
Phenol	-	ND (0.38)	-	-	-	-	ND (0.42)	-	-	ND (0.36)	-	ND (0.41)	-	-	-	-	-	-	ND (0.43)	-	-	-
Pyrene	-	16	-	-	-	-	7.6	-	-	3.8	-	12	-	-	-	-	-	-	3.2	-	-	-
SUM of Semi-Volatile Organic Compounds	-	108.73	-	-	-	-	51.77	-	-	24.99	-	75.49	-	-	-	-	-	-	26.28	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																						
Total Petroleum Hydrocarbons (C9-C36)	-	420	-	-	-	-	1400	-	-	660	-	320	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	J7	J8	J8	J8	J8	J8	J8	J8	J8	J9	J9	J9	J9	K10	K10	K10	K11	K11	K11	K11	K12	K12
Sample Name	J7_S4_8-10	J8_S1_0-8	J8_S3_4-6	Z5_S1_4-6	J8_S4_6-8	Z5_S2_6-8	J8_S2_8-10	J8_S5_8-10	Z5_S3_8-10	J9_S1_6-8	J9_S3_6-8	J9_S2_8-10	J9_S4_8-10	K10_S1_4-4.3	K10_S2_6-8	X10_S2_6-8	K11_S1_0.5-3.4	K11_S2_4-6	K11_S3_5-10	K11_S4_6-8	K12_S1_0.5-4	K12_S2_4-6
Sample Date	03/04/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/26/2015	01/11/2011	01/11/2011	01/11/2011	12/21/2010	12/21/2010	12/21/2010	12/21/2010	01/04/2011	01/05/2011
Lab Sample ID	15C0148-04	15A0844-01 15B0011-01	15A0844-03	15A0845-01	15A0844-04	15A0845-02	15A0844-02 15B0011-02	15A0844-05	15A0845-03	15A0843-01 15B0010-01	15A0843-03	15A0843-02	15A0843-04	139103-14	139103-15	139103-18	138733-6	138733-7	138733-15 138733-30 138733-39 138975-1 138975-7	138733-8	138940-19	138980-1
Sample Depth (bgs)	8 - 10 (ft)	0 - 8 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	8 - 10 (ft)	6 - 8 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	4 - 4.3 (ft)	6 - 8 (ft)	6 - 8 (ft)	0.5 - 3.4 (ft)	4 - 6 (ft)	5 - 10 (ft)	6 - 8 (ft)	0.5 - 4 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)	10.1 to 8.1	20 to 12	16 to 14	16 to 14	14 to 12	14 to 12	12 to 10	12 to 10	12 to 10	14.2 to 12.2	14.2 to 12.2	12.2 to 10.2	12.2 to 10.2	16 to 15.7	14 to 12	14 to 12	19.8 to 16.9	16.3 to 14.3	15.3 to 10.3	14.3 to 12.3	19.6 to 16.1	16.1 to 14.1
Soil Description														FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																						
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	490	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	-	-	-
Inorganic Compounds (mg/kg)																						
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-
Arsenic	-	6.1	-	-	-	-	5.6	-	-	6.5	-	3.5	-	-	-	-	-	-	5.4	-	-	-
Barium	-	62	-	-	-	-	150	-	-	150	-	74	-	-	-	-	-	-	470	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.4)	-	-	-
Cadmium	-	0.86	-	-	-	-	7.7	-	-	2.3	-	0.67	-	-	-	-	-	-	7.8	-	-	-
Chromium	-	23	-	-	-	-	17	-	-	33	-	5.7	-	-	-	-	-	-	49	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Lead	-	110	-	-	-	-	3600	-	-	1700	-	78	-	-	-	-	-	-	3800	-	-	-
Mercury	-	0.56	-	-	-	-	0.7	-	-	1	-	0.24	-	-	-	-	-	-	2.1	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	-	-	-
Selenium	-	ND (5.2)	-	-	-	-	ND (6)	-	-	ND (5.8)	-	ND (5.9)	-	-	-	-	-	-	ND (6.6)	-	-	-
Silver	-	ND (0.52)	-	-	-	-	ND (0.6)	-	-	ND (0.58)	-	ND (0.59)	-	-	-	-	-	-	ND (1.3)	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (6.6)	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.085	-	-	-	-	63	-	-	0.084	-	-	-	-	-	-	-	-	51	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.045)	ND (0.047)
Aroclor-1221 (PCB-1221)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.045)	ND (0.047)
Aroclor-1232 (PCB-1232)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.045)	ND (0.047)
Aroclor-1242 (PCB-1242)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.045)	ND (0.047)
Aroclor-1248 (PCB-1248)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	0.078	ND (0.05)	ND (0.052)	0.39	ND (0.045)	-	ND (4.2)	2.9	ND (0.047)
Aroclor-1254 (PCB-1254)	ND (0.11)	-	ND (0.11)	1.3	31	1.1	-	ND (55)	200	-	2.7	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	0.33	-	46	ND (0.045)	0.67
Aroclor-1260 (PCB-1260)	ND (0.11)	-	ND (0.11)	3	70	2.9	-	450	580	-	4.8	-	ND (0.12)	0.064	0.74	2.6	0.15	0.13	-	29	0.45	0.36
Aroclor-1262 (PCB-1262)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.045)	ND (0.047)
Aroclor-1268 (PCB-1268)	ND (0.11)	-	ND (0.11)	ND (0.56)	ND (11)	ND (0.46)	-	ND (55)	ND (120)	-	ND (1.1)	-	ND (0.12)	ND (0.042)	ND (0.05)	ND (0.052)	ND (0.043)	ND (0.045)	-	ND (4.2)	ND (0.045)	ND (0.047)
SUM of PCBs	ND	-	ND	4.3	101	4	-	450	780	-	7.5	-	ND	0.142	0.74	2.6	0.54	0.46	-	75	3.35	1.03
Other																						
Percent Solids, vol. (%wt)	83.7	89.1	88	89.5	93.4	87.4	81.1	90.5	83.5	94	91.2	83	82.3	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	ND (3.9)	-	-	-	-	ND (3.9)	-	-	ND (3.9)	-	ND (4)	-	-	-	-	-	-	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	ND (20)	-	-	-	-	ND (20)	-	-	ND (20)	-	ND (20)	-	-	-	-	-	-	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	91	-	-	-	-	78	-	-	98	-	67	-	-	-	-	-	-	520	-	-	-
Ignitability (Flashpoint) (PA)	-	0	-	-	-	-	0	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	8.6	-	-	-	-	7.7	-	-	7.6	-	7.6	-	-	-	-	-	-	7.1	-	-	-
VPH (mg/kg)																						
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.6)	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	K12	K12	K12	K14	K14	K14	K14	K15	K15	K15	K15A	K15A	K15A	K15A	K15A	K16	K16	K16	K16
Sample Name	K12_S3_5-10	K12_S4_6-8	K12_S5_10-12	K14_S1_2-3	K14_S2_4.2-5.2	K14_S5_4.2-10.2	K14_S3_7.2-9.2	K15_S1_0.5-3.0	K15_S2_6.0-8.0	K15_S3_6-9	K15A_S1_2.2-8.2	K15A_S2_2.2-4.2	Z2_S1_2.2-4.2	K15A_S3_4.2-6.2	Z2_S2_4.2-6.2	K16_S1_0.5-2.8	K16_S2_3.2-4.0	K16_S6_3.2-9.8	K16_S3_4-6
Sample Date	01/05/2011	01/05/2011	01/05/2011	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010
	138980-23							134271-55										134271-60	
	138980-30					134271-62		134271-69		134271-56						134271-54		134271-67	
	138980-34			134271-57		134271-72		134271-80		134271-70						134271-66		134271-78	
	139157-3			134271-71		134271-83		134440-2		134271-81	15A0797-01					134271-77		134440-11	
Lab Sample ID	139157-6	138980-2	138980-3	134271-82	134271-41	134440-7	134271-42	134440-9	134271-31	134440-3	15A0977-01	15A0797-02	15A0791-01	15A0797-03	15A0791-02	134440-1	134271-11	134440-5	134271-12
Sample Depth (bgs)	5 - 10 (ft)	6 - 8 (ft)	10 - 12 (ft)	2 - 3 (ft)	4.2 - 5.2 (ft)	4.2 - 10.2 (ft)	7.2 - 9.2 (ft)	0.5 - 3 (ft)	6 - 8 (ft)	6 - 9 (ft)	2.2 - 8.2 (ft)	2.2 - 4.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	4.2 - 6.2 (ft)	0.5 - 2.8 (ft)	3.2 - 4 (ft)	3.2 - 9.8 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)	15.1 to 10.1	14.1 to 12.1	10.1 to 8.1	18.2 to 17.2	16 to 15	16 to 10	13 to 11	19.5 to 17	14 to 12	14 to 11	18 to 12	18 to 16	18 to 16	16 to 14	16 to 14	19.5 to 17.2	16.8 to 16	16.8 to 10.2	16 to 14
Soil Description	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL						FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0029)	-	-	-	-	ND (0.005)	-	0.52	-
1,2,4-Trichlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0029)	-	-	-	-	ND (0.005)	-	0.83	-
1,2,4-Trimethylbenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
1,2-Dichlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
1,3,5-Trichlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	-	-	-	-	-	ND (0.005)	-	ND (0.3)	-
1,3-Dichlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
1,4-Dichlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Benzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Chlorobenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Chloroform (Trichloromethane)	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0029)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Cymene (p-Isopropyltoluene)	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Ethylbenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Isopropylbenzene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
m,p-Xylenes	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0029)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Methyl Tert Butyl Ether	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0029)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Methylene chloride	ND (0.053)	-	-	ND (0.053)	-	ND (0.05)	-	ND (0.089)	-	ND (0.079)	ND (0.0072)	-	-	-	-	ND (0.05)	-	ND (1.2)	-
Naphthalene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0072)	-	-	-	-	ND (0.005)	-	0.57	-
o-Xylene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Styrene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Tetrachloroethene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Toluene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
Trichloroethene	ND (0.005)	-	-	ND (0.005)	-	ND (0.005)	-	ND (0.009)	-	ND (0.008)	ND (0.0014)	-	-	-	-	ND (0.005)	-	ND (0.3)	-
SUM of Volatile Organic Compounds	ND	-	-	ND	-	ND	-	ND	-	ND	ND	-	-	-	-	ND	-	1.92	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	1.1	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
1,2-Dichlorobenzene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
1,3-Dichlorobenzene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
1,4-Dichlorobenzene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
2,4-Dimethylphenol	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
2-Chloronaphthalene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
2-Methylnaphthalene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (0.81)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
2-Methylphenol	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
3&4-Methylphenol	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Acenaphthene	0.42	-	-	ND (0.72)	-	0.62	-	ND (0.35)	-	ND (0.44)	ND (0.81)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Acenaphthylene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (0.81)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Acetophenone	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Aniline	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Anthracene	0.97	-	-	ND (0.72)	-	1.2	-	ND (0.35)	-	0.63	1.4	-	-	-	-	0.39	-	ND (1.9)	-
Benzo(a)anthracene	2.6	-	-	ND (0.72)	-	2.5	-	0.35	-	1.7	3	-	-	-	-	0.9	-	2.6	-
Benzo(a)pyrene	2.6	-	-	ND (0.72)	-	2.4	-	ND (0.35)	-	1.7	2.8	-	-	-	-	0.84	-	2.8	-
Benzo(b)fluoranthene	4.3	-	-	ND (0.72)	-	3.4	-	0.44	-	2	4	-	-	-	-	1.1	-	4.8	-
Benzo(g,h,i)perylene	ND (0.39)	-	-	ND (0.72)	-	0.6	-	ND (0.35)	-	0.81	2.2	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Benzo(k)fluoranthene	1.6	-	-	ND (0.72)	-	1.3	-	ND (0.35)	-	0.77	1.5	-	-	-	-	0.44	-	ND (1.9)	-
bis(2-Ethylhexyl)phthalate	1.2	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	2.2	-	-	-	-	ND (0.36)	-	2.8	-
Butyl benzylphthalate	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Carbazole	0.54	-	-	ND (0.72)	-	0.71	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Chrysene	2.2	-	-	ND (0.72)	-	2.4	-	0.37	-	1.7	3.1	-	-	-	-	0.92	-	3	-
Dibenz(a,h)anthracene	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (0.81)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Dibenzofuran	ND (0.39)	-	-	ND (0.72)	-	0.56	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Diethyl phthalate	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Di-n-butylphthalate	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	3.1	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Fluoranthene	4.7	-	-	1	-	4.8	-	0.81	-	3.4	6.9	-	-	-	-	1.9	-	5.7	-
Fluorene	ND (0.39)	-	-	ND (0.72)	-	0.73	-	ND (0.35)	-	ND (0.44)	ND (0.81)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Indeno(1,2,3-cd)pyrene	0.51	-	-	ND (0.72)	-	0.77	-	ND (0.35)	-	0.87	2.1	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Naphthalene	0.59	-	-	ND (0.72)	-	0.78	-	ND (0.35)	-	ND (0.44)	1.3	-	-	-	-	ND (0.36)	-	ND (1.9)	-
N-Nitrosodiphenylamine	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	-	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Pentachlorophenol	ND (1.5)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Phenanthrene	3.5	-	-	0.83	-	4.7	-	0.56	-	2.5	5.7	-	-	-	-	1.5	-	3.7	-
Phenol	ND (0.39)	-	-	ND (0.72)	-	ND (0.38)	-	ND (0.35)	-	ND (0.44)	ND (1.6)	-	-	-	-	ND (0.36)	-	ND (1.9)	-
Pyrene	3.5	-	-	0.98	-	4.5	-	0.68	-	3.1	5.9	-	-	-	-	1.7	-	4.8	-
SUM of Semi-Volatile Organic Compounds	30.33	-	-	2.81	-	31.97	-	3.21	-	22.28	42.1	-	-	-	-	9.69	-	30.2	-
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	1600	-	-	-	-	-	-	-	-

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SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	K12	K12	K12	K14	K14	K14	K14	K15	K15	K15	K15A	K15A	K15A	K15A	K15A	K16	K16	K16	K16
Sample Name	K12_S3_5-10	K12_S4_6-8	K12_S5_10-12	K14_S1_2-3	K14_S2_4.2-5.2	K14_S5_4.2-10.2	K14_S3_7.2-9.2	K15_S1_0.5-3.0	K15_S2_6.0-8.0	K15_S3_6-9	K15A_S1_2.2-8.2	K15A_S2_2.2-4.2	Z2_S1_2.2-4.2	K15A_S3_4.2-6.2	Z2_S2_4.2-6.2	K16_S1_0.5-2.8	K16_S2_3.2-4.0	K16_S6_3.2-9.8	K16_S3_4-6
Sample Date	01/05/2011	01/05/2011	01/05/2011	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	06/24/2010	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/24/2010	06/24/2010	06/24/2010	06/24/2010
	138980-23							134271-55										134271-60	
	138980-30					134271-62		134271-69		134271-56						134271-54		134271-67	
	138980-34			134271-57		134271-72		134271-80		134271-70						134271-66		134271-78	
	139157-3			134271-71		134271-83		134440-2		134271-81	15A0797-01					134271-77		134440-11	
Lab Sample ID	139157-6	138980-2	138980-3	134271-82	134271-41	134440-7	134271-42	134440-9	134271-31	134440-3	15A0977-01	15A0797-02	15A0791-01	15A0797-03	15A0791-02	134440-1	134271-11	134440-5	134271-12
Sample Depth (bgs)	5 - 10 (ft)	6 - 8 (ft)	10 - 12 (ft)	2 - 3 (ft)	4.2 - 5.2 (ft)	4.2 - 10.2 (ft)	7.2 - 9.2 (ft)	0.5 - 3 (ft)	6 - 8 (ft)	6 - 9 (ft)	2.2 - 8.2 (ft)	2.2 - 4.2 (ft)	2.2 - 4.2 (ft)	4.2 - 6.2 (ft)	4.2 - 6.2 (ft)	0.5 - 2.8 (ft)	3.2 - 4 (ft)	3.2 - 9.8 (ft)	4 - 6 (ft)
Sample Elevation (ft BCB)	15.1 to 10.1	14.1 to 12.1	10.1 to 8.1	18.2 to 17.2	16 to 15	16 to 10	13 to 11	19.5 to 17	14 to 12	14 to 11	18 to 12	18 to 16	18 to 16	16 to 14	16 to 14	19.5 to 17.2	16.8 to 16	16.8 to 10.2	16 to 14
Soil Description	FILL	FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL						FILL	FILL	FILL	FILL
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	510	-	-	660	-	67	-	72	-	260	-	-	-	-	-	95	-	400	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	560	-	-	670	-	91	-	86	-	310	-	-	-	-	-	120	-	440	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	630	-	-	590	-	43	-	87	-	150	-	-	-	-	-	96	-	460	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	120	-	-	ND (32)	-	ND (35)	-	ND (32)	-	ND (41)	-	-	-	-	-	ND (32)	-	79	-
Inorganic Compounds (mg/kg)																			
Antimony	45	-	-	ND (1.1)	-	ND (1.2)	-	ND (1.1)	-	4	-	-	-	-	-	1.6	-	86	-
Arsenic	ND (3.6)	-	-	ND (3.2)	-	6.2	-	ND (3.4)	-	19	6.6	-	-	-	-	4.3	-	ND (3.7)	-
Barium	390	-	-	33	-	87	-	93	-	320	210	-	-	-	-	64	-	690	-
Beryllium	ND (0.36)	-	-	ND (0.32)	-	ND (0.37)	-	ND (0.34)	-	ND (0.42)	-	-	-	-	-	ND (0.34)	-	ND (0.37)	-
Cadmium	21	-	-	1	-	1.8	-	18	-	5.5	7.3	-	-	-	-	1.4	-	19	-
Chromium	97	-	-	20	-	16	-	54	-	28	110	-	-	-	-	23	-	73	-
Chromium VI (Hexavalent)	ND (1)	-	-	-	-	-	-	ND (1)	-	-	ND (0.19)	-	-	-	-	-	-	ND (1)	-
Lead	6400	-	-	46	-	310	-	1400	-	1900	2400	-	-	-	-	110	-	8700	-
Mercury	7.1	-	-	0.087	-	0.55	-	0.55	-	3.4	1.7	-	-	-	-	0.48	-	5.5	-
Nickel	140	-	-	13	-	120	-	46	-	32	-	-	-	-	-	17	-	150	-
Selenium	ND (5.9)	-	-	ND (5.3)	-	ND (6.1)	-	ND (19)	-	ND (7.1)	ND (5.8)	-	-	-	-	ND (5.6)	-	ND (15)	-
Silver	ND (1.2)	-	-	ND (1.1)	-	ND (1.2)	-	ND (1.1)	-	ND (1.4)	ND (2.9)	-	-	-	-	ND (1.1)	-	ND (1.2)	-
Thallium	ND (5.9)	-	-	ND (5.3)	-	ND (6.1)	-	ND (5.7)	-	ND (7.1)	-	-	-	-	-	ND (5.6)	-	ND (6.2)	-
Vanadium	280	-	-	39	-	30	-	25	-	50	-	-	-	-	-	32	-	200	-
Zinc	2400	-	-	71	-	1200	-	5000	-	860	-	-	-	-	-	120	-	4000	-
TCLP Inorganic Compounds (mg/L)																			
Cadmium	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-
Lead	92	-	-	-	-	4.2	-	0.8	-	17	0.42	-	-	-	-	1.4	-	160	-
Mercury	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (0.043)	ND (510)	ND (5.5)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.044)	ND (48)	-	ND (47)
Aroclor-1221 (PCB-1221)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (0.043)	ND (510)	ND (5.5)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.044)	ND (48)	-	ND (47)
Aroclor-1232 (PCB-1232)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (0.043)	ND (510)	ND (5.5)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.044)	ND (48)	-	ND (47)
Aroclor-1242 (PCB-1242)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (0.043)	ND (510)	ND (5.5)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.044)	ND (48)	-	ND (47)
Aroclor-1248 (PCB-1248)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	0.9	ND (510)	ND (5.5)	-	0.32	0.33	0.18	0.16	1:00 PM	ND (48)	-	ND (47)
Aroclor-1254 (PCB-1254)	-	320	ND (0.049)	3.9	0.18	-	ND (0.052)	ND (0.043)	650	38	-	0.2	0.21	0.27	0.24	ND (0.044)	360	-	510
Aroclor-1260 (PCB-1260)	-	150	ND (0.049)	1.2	0.069	-	ND (0.052)	0.26	ND (510)	17	-	ND (0.12)	ND (0.1)	0.13	0.12	0.2	430	-	450
Aroclor-1262 (PCB-1262)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (0.043)	ND (510)	ND (5.5)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.044)	ND (48)	-	ND (47)
Aroclor-1268 (PCB-1268)	-	ND (47)	ND (0.049)	ND (0.43)	ND (0.048)	-	ND (0.052)	ND (0.043)	ND (510)	ND (5.5)	-	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.044)	ND (48)	-	ND (47)
SUM of PCBs	-	470	ND	5.1	0.249	-	ND	1.16	650	55	-	0.52	0.54	0.58	0.52	1.2	790	-	960
Other																			
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	83.9	84.9	95.4	86.1	86.1	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	165 >	-	165 >	-	165 >	-	165 >	-	-	-	-	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	ND (50)	-	-	ND (50)	-	ND (50)	-	ND (50)	-	ND (50)	ND (3.9)	-	-	-	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	ND (100)	-	-	ND (100)	-	ND (100)	-	ND (100)	-	ND (100)	ND (20)	-	-	-	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mv)	560	-	-	-	-	-	-	670	-	-	120	-	-	-	-	-	-	410	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	7	-	-	7.1	-	8	-	7.2	-	6.9	10	-	-	-	-	7.1	-	7.2	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.3)	-	-	ND (1.3)	-	1.7	-	ND (2)	-	ND (2.1)	-	-	-	-	-	ND (1.2)	-	1.7	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.3)	-	-	ND (1.3)	-	1.8	-	ND (2)	-	ND (2.1)	-	-	-	-	-	ND (1.2)	-	2	-
MADEP C9-C10 AROMATIC HYDROCARBONS	1.7	-	-	ND (1.3)	-	1.7	-	ND (2)	-	ND (2.1)	-	-	-	-	-	ND (1.2)	-	3.7	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.3)	-	-	ND (1.3)	-	ND (1.4)	-	ND (2)	-	ND (2.1)	-	-	-	-	-	ND (1.2)	-	1.9	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	2.6	-	-	ND (1.3)	-	2.1	-	ND (2)	-	ND (2.1)	-	-	-	-	-	ND (1.2)	-	6.2	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	K16	K16A	K17	K17	K17	K17A	K17A	K18	K18	K8	K8	K8	L13	L13	L13	L14	L14	L14	L14
Sample Name	K16_S4_6-8	K16A_S1_3.5-9.8	K17_S1_0.9-3.7	K17_S2_4-6	K17_S6_4-7.4	K17a_S1_1-2.8	K17a_S2_4-8	K18_S1_1-4.3	K18_S2_5.6-7.6	K8_S1_7.0-8.2	K8_S3_7.0-8.2	K8_S4_8.2-10.2	L13_S1_0.5-3.5	L13_S5_3.8-10.1	L13_S2_4.1-6.1	L14_S1_0.5-3.5	L14_S2_4-4.9	L14_S5_4-10	L14_S3_7-8
Sample Date	06/24/2010	02/03/2015	07/09/2010	07/09/2010	07/09/2010	12/30/2010	01/03/2011	06/18/2010	06/18/2010	03/03/2015	03/03/2015	03/03/2015	07/09/2010	07/09/2010	07/09/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010
					134640-34		138916-22	134117-45										134292-26	
					134640-38		138916-37	134117-56						134640-33		134292-22		134292-53	
			134640-31		134640-43	138884-39	138916-49	134117-65		15C0526-01			134640-30	134640-36		134292-52		134292-61	
		15B0056-01	134640-37		134833-2	138884-49	139127-10	134331-2		15C0904-01			134640-35	134640-41		134292-60		134569-4	
Lab Sample ID	134271-13	15B0292-01	134640-42	134640-11	134833-3	138884-60	139127-6	134331-6	134117-20	15C1258-01	15C0076-03	15C0076-04	134640-40	134833-1	134640-1	134569-3	134292-23	134569-8	134292-24
Sample Depth (bgs)	6 - 8 (ft)	3.5 - 9.8 (ft)	0.9 - 3.7 (ft)	4 - 6 (ft)	4 - 7.4 (ft)	1 - 2.8 (ft)	4 - 8 (ft)	1 - 4.3 (ft)	5.6 - 7.6 (ft)	7 - 8.2 (ft)	7 - 8.2 (ft)	8.2 - 10.2 (ft)	0.5 - 3.5 (ft)	3.8 - 10.1 (ft)	4.1 - 6.1 (ft)	0.5 - 3.5 (ft)	4 - 4.9 (ft)	4 - 10 (ft)	7 - 8 (ft)
Sample Elevation (ft BCB)	14 to 12	16.5 to 10.2	19.1 to 16.3	16 to 14	16 to 12.6	19 to 17.2	16 to 12	18.6 to 15.3	14 to 12	12.5 to 11.3	12.5 to 11.3	11.3 to 9.3	19.6 to 16.6	16.3 to 10	16 to 14	19.5 to 16.5	16 to 15.1	16 to 10	13 to 12
Soil Description	FILL		FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL				FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	-	ND (0.0031)	ND (0.006)	-	0.57	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0027)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	9.6	-
1,2,4-Trichlorobenzene	-	ND (0.0031)	ND (0.006)	-	1	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0027)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	36	-
1,2,4-Trimethylbenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
1,2-Dichlorobenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	1.7	-
1,3,5-Trichlorobenzene	-	-	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	-	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	1	-
1,3-Dichlorobenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	38	-
1,4-Dichlorobenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	34	-
Benzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Chlorobenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	53	-
Chloroform (Trichloromethane)	-	ND (0.0031)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0027)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Cymene (p-Isopropyltoluene)	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Ethylbenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Isopropylbenzene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
m,p-Xylenes	-	ND (0.0031)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0027)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Methyl Tert Butyl Ether	-	ND (0.0031)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0027)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Methylene chloride	-	ND (0.0078)	ND (0.056)	-	ND (1.3)	ND (0.05)	ND (0.051)	ND (0.074)	-	ND (0.0066)	-	-	ND (0.05)	ND (0.096)	-	ND (0.06)	-	ND (2.6)	-
Naphthalene	-	ND (0.0078)	0.006	-	0.6	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0066)	-	-	ND (0.005)	0.022	-	ND (0.006)	-	53	-
o-Xylene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Styrene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Tetrachloroethene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Toluene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
Trichloroethene	-	ND (0.0016)	ND (0.006)	-	ND (0.34)	ND (0.005)	ND (0.005)	ND (0.007)	-	ND (0.0013)	-	-	ND (0.005)	ND (0.01)	-	ND (0.006)	-	ND (0.65)	-
SUM of Volatile Organic Compounds	-	ND	0.006	-	2.17	ND	ND	ND	-	ND	-	-	ND	0.022	-	ND	-	226.3	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	-	1.1	ND (0.36)	-	1.4	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	16	-
1,2-Dichlorobenzene	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
1,3-Dichlorobenzene	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	13	-
1,4-Dichlorobenzene	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	14	-
2,4-Dimethylphenol	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
2-Chloronaphthalene	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
2-Methylnaphthalene	-	0.69	5.7	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	0.77	-	-	ND (0.36)	0.4	-	ND (0.36)	-	20	-
2-Methylphenol	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
3&4-Methylphenol	-	ND (0.41)	0.42	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Acenaphthene	-	1.9	1.9	-	ND (0.78)	ND (0.34)	ND (0.39)	0.53	-	0.22	-	-	1.2	ND (0.39)	-	ND (0.36)	-	29	-
Acenaphthylene	-	0.43	4.6	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.21)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Acetophenone	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Aniline	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Anthracene	-	4.3	11	-	1.5	0.79	0.74	1.5	-	0.32	-	-	3.4	0.61	-	ND (0.36)	-	61	-
Benzo(a)anthracene	-	5.9	11	-	3.7	1.4	1.9	2	-	1.1	-	-	5.3	1.1	-	0.56	-	95	-
Benzo(a)pyrene	-	5.1	8.6	-	3.8	1.1	1.9	1.8	-	0.92	-	-	4.6	0.87	-	0.52	-	76	-
Benzo(b)fluoranthene	-	6.1	10	-	6.7	1.5	2.4	2.1	-	1.3	-	-	5.6	1.3	-	0.68	-	110	-
Benzo(g,h,i)perylene	-	2.6	0.8	-	1	ND (0.34)	0.54	0.66	-	0.44	-	-	0.58	ND (0.39)	-	ND (0.36)	-	15	-
Benzo(k)fluoranthene	-	4.1	3.7	-	2.5	0.51	0.85	0.86	-	0.45	-	-	2.2	0.53	-	ND (0.36)	-	37	-
bis(2-Ethylhexyl)phthalate	-	1.7	ND (0.36)	-	2.2	ND (0.34)	0.82	ND (0.37)	-	ND (0.41)	-	-	0.37	0.45	-	ND (0.36)	-	16	-
Butyl benzylphthalate	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Carbazole	-	-	2.5	-	ND (0.78)	0.35	ND (0.39)	ND (0.37)	-	-	-	-	1.6	0.44	-	ND (0.36)	-	32	-
Chrysene	-	5.5	9.3	-	3.9	1.2	1.9	1.9	-	1.3	-	-	4.8	1.1	-	0.57	-	92	-
Dibenz(a,h)anthracene	-	0.68	0.45	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.21)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Dibenzofuran	-	1.3	7.7	-	ND (0.78)	ND (0.34)	ND (0.39)	0.52	-	ND (0.41)	-	-	0.69	0.52	-	ND (0.36)	-	29	-
Diethyl phthalate	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Di-n-butylphthalate	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Fluoranthene	-	12	30	-	6.8	2.6	3.4	4.5	-	2.5	-	-	14	2.6	-	1.3	-	250	-
Fluorene	-	1.9	10	-	ND (0.78)	ND (0.34)	ND (0.39)	0.64	-	0.21	-	-	1.3	0.52	-	ND (0.36)	-	40	-
Indeno(1,2,3-cd)pyrene	-	2.6	1.6	-	1.3	0.37	0.7	0.79	-	0.48	-	-	1	ND (0.39)	-	ND (0.36)	-	20	-
Naphthalene	-	1.3	7.5	-	0.8	ND (0.34)	ND (0.39)	0.44	-	0.57	-	-	0.36	1.2	-	ND (0.36)	-	58	-
N-Nitrosodiphenylamine	-	-	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	-	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Pentachlorophenol	-	ND (0.41)	ND (0.74)	-	ND (1.6)	ND (1.3)	ND (1.5)	ND (0.37)	-	ND (0.41)	-	-	ND (0.74)	ND (0.79)	-	ND (0.36)	-	ND (19)	-
Phenanthrene	-	12	44	-	5.6	2.5	2.1	4.6	-	2.2	-	-	12	3.1	-	1.2	-	300	-
Phenol	-	ND (0.41)	ND (0.36)	-	ND (0.78)	ND (0.34)	ND (0.39)	ND (0.37)	-	ND (0.41)	-	-	ND (0.36)	ND (0.39)	-	ND (0.36)	-	ND (9.2)	-
Pyrene	-	12	20	-	6.9	2.1	3.2	3.9	-	2.1	-	-	9.6	2.2	-	1.1	-	170	-
SUM of Semi-Volatile Organic Compounds	-	83.2	190.77	-	48.1	14.42	20.45	26.74	-	14.88	-	-	68.6	16.94	-	5.93	-	1493	-
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	-	2700	-	-	-	-	-	-	-	210	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	K16	K16A	K17	K17	K17	K17A	K17A	K18	K18	K8	K8	K8	L13	L13	L13	L14	L14	L14	L14
Sample Name	K16_S4_6-8	K16A_S1_3.5-9.8	K17_S1_0.9-3.7	K17_S2_4-6	K17_S6_4-7.4	K17a_S1_1-2.8	K17a_S2_4-8	K18_S1_1-4.3	K18_S2_5.6-7.6	K8_S1_7.0-8.2	K8_S3_7.0-8.2	K8_S4_8.2-10.2	L13_S1_0.5-3.5	L13_S5_3.8-10.1	L13_S2_4.1-6.1	L14_S1_0.5-3.5	L14_S2_4-4.9	L14_S5_4-10	L14_S3_7-8
Sample Date	06/24/2010	02/03/2015	07/09/2010	07/09/2010	07/09/2010	12/30/2010	01/03/2011	06/18/2010	06/18/2010	03/03/2015	03/03/2015	03/03/2015	07/09/2010	07/09/2010	07/09/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010
					134640-34		138916-22	134117-45										134292-26	
					134640-38		138916-37	134117-56						134640-33		134292-22		134292-53	
			134640-31		134640-43	138884-39	138916-49	134117-65		15C0526-01			134640-30	134640-36		134292-52		134292-61	
		15B0056-01	134640-37		134833-2	138884-49	139127-10	134331-2		15C0904-01			134640-35	134640-41		134292-60		134569-4	
Lab Sample ID	134271-13	15B0292-01	134640-42	134640-11	134833-3	138884-60	139127-6	134331-6	134117-20	15C1258-01	15C0076-03	15C0076-04	134640-40	134833-1	134640-1	134569-3	134292-23	134569-8	134292-24
Sample Depth (bgs)	6 - 8 (ft)	3.5 - 9.8 (ft)	0.9 - 3.7 (ft)	4 - 6 (ft)	4 - 7.4 (ft)	1 - 2.8 (ft)	4 - 8 (ft)	1 - 4.3 (ft)	5.6 - 7.6 (ft)	7 - 8.2 (ft)	7 - 8.2 (ft)	8.2 - 10.2 (ft)	0.5 - 3.5 (ft)	3.8 - 10.1 (ft)	4.1 - 6.1 (ft)	0.5 - 3.5 (ft)	4 - 4.9 (ft)	4 - 10 (ft)	7 - 8 (ft)
Sample Elevation (ft BCB)	14 to 12	16.5 to 10.2	19.1 to 16.3	16 to 14	16 to 12.6	19 to 17.2	16 to 12	18.6 to 15.3	14 to 12	12.5 to 11.3	12.5 to 11.3	11.3 to 9.3	19.6 to 16.6	16.3 to 10	16 to 14	19.5 to 16.5	16 to 15.1	16 to 10	13 to 12
Soil Description	FILL		FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL				FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	110	-	770	69	350	130	-	-	-	-	190	170	-	95	-	3900	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	130	-	840	83	390	160	-	-	-	-	200	200	-	100	-	6100	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	120	-	1000	58	430	120	-	-	-	-	190	230	-	93	-	110	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (33)	-	210	ND (21)	98	ND (34)	-	-	-	-	ND (33)	48	-	ND (33)	-	41	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	3	-	51	3.7	120	3	-	-	-	-	2.5	2.7	-	ND (1.1)	-	2.3	-
Arsenic	-	15	ND (3.5)	-	7.1	ND (3.3)	ND (3.5)	ND (3.4)	-	15	-	-	ND (3.3)	4.7	-	3.8	-	13	-
Barium	-	510	56	-	650	60	670	50	-	64	-	-	44	120	-	63	-	1400	-
Beryllium	-	-	ND (0.35)	-	ND (0.36)	ND (0.33)	ND (0.35)	ND (0.34)	-	-	-	-	ND (0.33)	ND (0.35)	-	ND (0.32)	-	ND (0.35)	-
Cadmium	-	10	ND (0.58)	-	15	2.3	18	1.3	-	4.9	-	-	ND (0.55)	1.3	-	1.3	-	2.8	-
Chromium	-	71	23	-	75	22	81	88	-	15	-	-	19	15	-	21	-	35	-
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	ND (1)	ND (1)	-	-	-	-	-	-	-	-	-	ND (1)	-
Lead	-	5600	81	-	5900	77	9800	260	-	230	-	-	57	130	-	100	-	4200	-
Mercury	-	2.1	0.57	-	5.1	0.44	6.1	0.42	-	0.19	-	-	0.12	0.28	-	0.35	-	1.5	-
Nickel	-	-	13	-	120	16	110	22	-	-	-	-	12	25	-	15	-	41	-
Selenium	-	ND (6)	ND (5.8)	-	ND (6.1)	ND (5.5)	ND (5.9)	ND (5.7)	-	ND (6.1)	-	-	ND (5.5)	ND (5.8)	-	ND (5.4)	-	ND (6)	-
Silver	-	ND (0.6)	ND (1.2)	-	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	-	ND (0.61)	-	-	ND (1.1)	ND (1.2)	-	ND (1.1)	-	ND (1.2)	-
Thallium	-	-	ND (5.8)	-	ND (6.1)	ND (5.5)	ND (5.9)	ND (5.7)	-	-	-	-	ND (5.5)	ND (5.8)	-	ND (5.4)	-	ND (5.8)	-
Vanadium	-	-	21	-	170	48	170	29	-	-	-	-	18	37	-	25	-	48	-
Zinc	-	-	85	-	2400	88	3000	90	-	-	-	-	77	670	-	130	-	1000	-
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.051	-	-	190	-	190	ND (0.3)	-	0.06	-	-	-	1.2	-	1.3	-	3.5	-
Mercury	-	-	-	-	ND (0.0002)	-	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	ND (0.94)	-	ND (0.045)	ND (93)	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
Aroclor-1221 (PCB-1221)	ND (0.94)	-	ND (0.045)	ND (93)	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
Aroclor-1232 (PCB-1232)	ND (0.94)	-	ND (0.045)	ND (93)	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
Aroclor-1242 (PCB-1242)	ND (0.94)	-	ND (0.045)	ND (93)	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
Aroclor-1248 (PCB-1248)	ND (0.94)	-	0.47	ND (93)	-	-	-	0.42	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	0.43	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
Aroclor-1254 (PCB-1254)	10	-	ND (0.045)	350	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	0.51	0.21	0.073	-	1.1
Aroclor-1260 (PCB-1260)	8.3	-	0.2	270	-	-	-	0.099	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	0.18	-	0.3	0.12	ND (0.045)	-	1.2
Aroclor-1262 (PCB-1262)	ND (0.94)	-	ND (0.045)	ND (93)	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
Aroclor-1268 (PCB-1268)	ND (0.94)	-	ND (0.045)	ND (93)	-	-	-	ND (0.046)	ND (0.054)	ND (0.12)	ND (0.13)	ND (0.14)	ND (0.044)	-	ND (0.049)	ND (0.043)	ND (0.045)	-	ND (0.049)
SUM of PCBs	18.3	-	0.67	620	-	-	-	0.519	ND	ND	ND	ND	0.61	-	0.81	0.33	0.073	-	2.3
Other																			
Percent Solids, vol. (%wt)	-	82.5	-	-	-	-	-	-	-	82.3	78	68.4	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	165 >	165 >	165 >	165 >	-	-	-	-	165 >	165 >	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	-	ND (3.9)	ND (50)	-	ND (50)	ND (50)	ND (50)	ND (50)	-	ND (3.9)	-	-	ND (50)	ND (50)	-	ND (50)	-	ND (50)	-
Reactive Sulfide (mg/kg)	-	ND (20)	ND (100)	-	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (20)	-	-	ND (100)	ND (100)	-	ND (100)	-	ND (100)	-
Oxidation reduction potential (mv)	-	110	-	-	510	-	530	450	-	-	-	-	-	-	-	-	-	450	-
Ignitability (Flashpoint) (PA)	-	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	7.9	7.1	-	7.1	6.8	6.8	7.3	-	7.3	-	-	7.1	7.5	-	7.6	-	7.4	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.4)	-	3.1	ND (1)	ND (1.4)	ND (1.3)	-	-	-	-	ND (1.6)	4.5	-	ND (1.1)	-	ND (3)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	ND (1.4)	-	3.5	ND (1)	ND (1.4)	ND (1.3)	-	-	-	-	ND (1.6)	4.7	-	ND (1.1)	-	ND (3)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.4)	-	4.7	1.6	ND (1.4)	1.7	-	-	-	-	ND (1.6)	4.2	-	ND (1.1)	-	48	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.4)	-	2.6	1.5	ND (1.4)	ND (1.3)	-	-	-	-	ND (1.6)	4.1	-	ND (1.1)	-	ND (3)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	ND (1.4)	-	8.2	3.1	ND (1.4)	ND (1.3)	-	-	-	-	ND (1.6)	8.7	-	ND (1.1)	-	64	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	L14A	L15	L15	L15	L15A	L15A	L15A	L16	L16	L16	L16	L16	L17	L17	L17	L17	L18	L18	L18	L9
Sample Name	L14a_S1_4-9	L15_S1_0.5-1.9	L15_S2_6-8	L15_S4_6-10	L15A_S1_3-8	L15A_S2_3-4	L15A_S3_4-6	L16_S1_0.7-2.0	L16_S2_2.4-3.8	L16_S6_2.4-7.6	L16_S3_3.8-5.8	L16_S4_5.8-7.8	L17_S1_0.6-2.3	L17_S2_2.6-3.7	L17_S8_2.6-10.5	L17_S3_3.7-5.7	L18_S1_1-3.5	L18_S2_3.5-5.5	L18_S4_3.5-7.5	L9_S1_6.0-7.3
Sample Date	01/03/2011	06/25/2010	06/25/2010	06/25/2010	01/23/2015	01/23/2015	01/23/2015	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	03/04/2015
				134292-3						134292-39										
	138916-30			134292-49	-			134292-34		134292-55			134611-1		134611-49				134053-58	
	138916-42	134292-1		134292-57				134292-54		134292-63			134611-48		134611-56		134053-53		134053-65	15C0150-01
	138916-54	134292-48		134569-1				134292-62		134569-6			134611-55		134611-8		134053-64		134053-74	15C0338-01
Lab Sample ID	139127-4	134292-56	134292-2	134569-7	15A0794-01	15A0794-02	15A0794-03	134569-5	134292-35	134569-9	134292-36	134292-37	134787-1	134611-2	134787-2	134611-3	134053-73	134053-22	134263-4	15C0529-01
Sample Depth (bgs)	4 - 9 (ft)	0.5 - 1.9 (ft)	6 - 8 (ft)	6 - 10 (ft)	3 - 8 (ft)	3 - 4 (ft)	4 - 6 (ft)	0.7 - 2 (ft)	2.4 - 3.8 (ft)	2.4 - 7.6 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	0.6 - 2.3 (ft)	2.6 - 3.7 (ft)	2.6 - 10.5 (ft)	3.7 - 5.7 (ft)	1 - 3.5 (ft)	3.5 - 5.5 (ft)	3.5 - 7.5 (ft)	6 - 7.3 (ft)
Sample Elevation (ft BCB)	16 to 11	19.5 to 18.1	14 to 12	14 to 10	16.9 to 11.9	16.9 to 15.9	15.9 to 13.9	19.1 to 17.8	17.4 to 16	17.4 to 12.2	16 to 14	14 to 12	19.1 to 17.4	17.1 to 16	17.1 to 9.2	16 to 14	18.5 to 16	16 to 14	16 to 12	13.3 to 12
Soil Description	FILL	FILL	FILL	FILL				FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	
Volatile Organic Compounds (mg/kg)																				
1,2,3-Trichlorobenzene	ND (0.006)	ND (0.007)	-	1.8	ND (0.004)	-	-	ND (0.005)	-	1.4	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0029)
1,2,4-Trichlorobenzene	ND (0.006)	ND (0.007)	-	2.8	ND (0.004)	-	-	ND (0.005)	-	2.1	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0029)
1,2,4-Trimethylbenzene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
1,2-Dichlorobenzene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
1,3,5-Trichlorobenzene	ND (0.006)	ND (0.007)	-	ND (0.92)	-	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	-
1,3-Dichlorobenzene	ND (0.006)	ND (0.007)	-	0.93	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
1,4-Dichlorobenzene	ND (0.006)	ND (0.007)	-	1.8	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Benzene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Chlorobenzene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Chloroform (Trichloromethane)	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.004)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0029)
Cymene (p-Isopropyltoluene)	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	0.84	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Ethylbenzene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Isopropylbenzene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
m,p-Xylenes	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.004)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0029)
Methyl Tert Butyl Ether	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.004)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0029)
Methylene chloride	ND (0.062)	ND (0.072)	-	ND (3.7)	ND (0.01)	-	-	ND (0.05)	-	ND (2.9)	-	-	ND (1.3)	-	ND (0.05)	-	ND (0.059)	-	ND (0.05)	ND (0.0073)
Naphthalene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.01)	-	-	ND (0.005)	-	1.9	-	-	0.33	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0073)
o-Xylene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Styrene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Tetrachloroethene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Toluene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
Trichloroethene	ND (0.006)	ND (0.007)	-	ND (0.92)	ND (0.002)	-	-	ND (0.005)	-	ND (0.72)	-	-	ND (0.32)	-	ND (0.005)	-	ND (0.006)	-	ND (0.005)	ND (0.0015)
SUM of Volatile Organic Compounds	ND	ND	-	7.33	ND	-	-	ND	-	6.24	-	-	0.33	-	ND	-	ND	-	ND	ND
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4-Trichlorobenzene	6.9	ND (0.36)	-	2.3	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
1,2-Dichlorobenzene	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
1,3-Dichlorobenzene	5.7	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
1,4-Dichlorobenzene	4.7	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
2,4-Dimethylphenol	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
2-Chloronaphthalene	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
2-Methylnaphthalene	ND (0.43)	ND (0.36)	-	ND (0.73)	0.46	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	0.39	-	ND (0.35)	0.55
2-Methylphenol	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
3&4-Methylphenol	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Acenaphthene	ND (0.43)	ND (0.36)	-	ND (0.73)	0.31	-	-	0.36	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	0.42	-	ND (0.35)	ND (0.42)
Acenaphthylene	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.19)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	4.3
Acetophenone	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Aniline	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Anthracene	0.58	0.57	-	1.1	0.59	-	-	0.62	-	ND (1.8)	-	-	0.47	-	ND (0.35)	-	1	-	1	4.3
Benzo(a)anthracene	1.8	1.3	-	2.5	1.2	-	-	1.4	-	3.4	-	-	1.3	-	0.69	-	1.5	-	1.4	35
Benzo(a)pyrene	1.6	1.1	-	2.4	1	-	-	1.3	-	3.4	-	-	1.1	-	0.64	-	1.3	-	1.2	34
Benzo(b)fluoranthene	1.9	1.7	-	4.4	1.3	-	-	2	-	5.5	-	-	1.4	-	0.9	-	1.6	-	1.4	44
Benzo(g,h,i)perylene	1.1	ND (0.36)	-	ND (0.73)	0.72	-	-	ND (0.36)	-	ND (1.8)	-	-	0.73	-	ND (0.35)	-	0.85	-	0.68	9.4
Benzo(k)fluoranthene	0.69	0.68	-	1.5	0.52	-	-	0.8	-	1.9	-	-	0.49	-	ND (0.35)	-	0.6	-	0.5	8.6
bis(2-Ethylhexyl)phthalate	ND (0.43)	ND (0.36)	-	1.1	0.51	-	-	0.62	-	2.1	-	-	0.68	-	1	-	ND (0.39)	-	ND (0.35)	1.3
Butyl benzylphthalate	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Carbazole	ND (0.43)	ND (0.36)	-	ND (0.73)	-	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	0.46	-	ND (0.35)	-
Chrysene	1.7	1.2	-	2.6	1.3	-	-	1.4	-	3.8	-	-	1.3	-	0.74	-	1.5	-	1.4	33
Dibenz(a,h)anthracene	ND (0.43)	ND (0.36)	-	ND (0.73)	0.19	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	3.3
Dibenzofuran	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	0.53	-	ND (0.35)	ND (0.84)
Diethyl phthalate	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Di-n-butylphthalate	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Fluoranthene	3.4	2.4	-	4.9	3.2	-	-	2.8	-	7.1	-	-	2.5	-	1.4	-	3.5	-	3.1	63
Fluorene	ND (0.43)	ND (0.36)	-	ND (0.73)	0.36	-	-	0.43	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	0.75	-	ND (0.35)	0.74
Indeno(1,2,3-cd)pyrene	1.1	ND (0.36)	-	ND (0.73)	0.72	-	-	0.4	-	ND (1.8)	-	-	0.84	-	ND (0.35)	-	1	-	0.8	24
Naphthalene	ND (0.43)	ND (0.36)	-	ND (0.73)	1.3	-	-	0.65	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	0.88	-	ND (0.35)	1.5
N-Nitrosodiphenylamine	ND (0.43)	ND (0.36)	-	ND (0.73)	-	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	-
Pentachlorophenol	ND (1.7)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (3.7)	-	-	ND (0.74)	-	ND (0.7)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Phenanthrene	2.4	1.8	-	4.4	3.4	-	-	2.5	-	4.8	-	-	1.6	-	1.2	-	3.9	-	3.3	7.4
Phenol	ND (0.43)	ND (0.36)	-	ND (0.73)	ND (0.38)	-	-	ND (0.36)	-	ND (1.8)	-	-	ND (0.37)	-	ND (0.35)	-	ND (0.39)	-	ND (0.35)	ND (0.84)
Pyrene	3.1	2.2	-	4.5	2.6	-	-	2.6	-	5.7	-	-	2.1	-	1.1	-	3.1	-	2.8	50
SUM of Semi-Volatile Organic Compounds	36.67	12.95	-	31.7	19.68	-	-	17.88	-	37.7	-	-	14.51	-	7.67	-	23.28	-	17.58	324.39
Total Petroleum Hydrocarbons (mg/kg)																				
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	L14A	L15	L15	L15	L15A	L15A	L15A	L16	L16	L16	L16	L16	L17	L17	L17	L17	L18	L18	L18	L9
Sample Name	L14a_S1_4-9	L15_S1_0.5-1.9	L15_S2_6-8	L15_S4_6-10	L15A_S1_3-8	L15A_S2_3-4	L15A_S3_4-6	L16_S1_0.7-2.0	L16_S2_2.4-3.8	L16_S6_2.4-7.6	L16_S3_3.8-5.8	L16_S4_5.8-7.8	L17_S1_0.6-2.3	L17_S2_2.6-3.7	L17_S8_2.6-10.5	L17_S3_3.7-5.7	L18_S1_1-3.5	L18_S2_3.5-5.5	L18_S4_3.5-7.5	L9_S1_6.0-7.3
Sample Date	01/03/2011	06/25/2010	06/25/2010	06/25/2010	01/23/2015	01/23/2015	01/23/2015	06/25/2010	06/25/2010	06/25/2010	06/25/2010	06/25/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	06/17/2010	06/17/2010	06/17/2010	03/04/2015
	138916-30			134292-3 134292-49				134292-34		134292-39 134292-55			134611-1		134611-49				134053-58	
	138916-42	134292-1		134292-57				134292-54		134292-63			134611-48		134611-56		134053-53		134053-65	15C0150-01
	138916-54	134292-48		134569-1				134292-62		134569-6			134611-55		134611-8		134053-64		134053-74	15C0338-01
Lab Sample ID	139127-4	134292-56	134292-2	134569-7	15A0794-01	15A0794-02	15A0794-03	134569-5	134292-35	134569-9	134292-36	134292-37	134787-1	134611-2	134787-2	134611-3	134053-73	134053-22	134263-4	15C0529-01
Sample Depth (bgs)	4 - 9 (ft)	0.5 - 1.9 (ft)	6 - 8 (ft)	6 - 10 (ft)	3 - 8 (ft)	3 - 4 (ft)	4 - 6 (ft)	0.7 - 2 (ft)	2.4 - 3.8 (ft)	2.4 - 7.6 (ft)	3.8 - 5.8 (ft)	5.8 - 7.8 (ft)	0.6 - 2.3 (ft)	2.6 - 3.7 (ft)	2.6 - 10.5 (ft)	3.7 - 5.7 (ft)	1 - 3.5 (ft)	3.5 - 5.5 (ft)	3.5 - 7.5 (ft)	6 - 7.3 (ft)
Sample Elevation (ft BCB)	16 to 11	19.5 to 18.1	14 to 12	14 to 10	16.9 to 11.9	16.9 to 15.9	15.9 to 13.9	19.1 to 17.8	17.4 to 16	17.4 to 12.2	16 to 14	14 to 12	19.1 to 17.4	17.1 to 16	17.1 to 9.2	16 to 14	18.5 to 16	16 to 14	16 to 12	13.3 to 12
Soil Description	FILL	FILL	FILL	FILL				FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	
EPH (mg/kg)																				
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	130	110	-	320	-	-	-	100	-	560	-	-	99	-	230	-	170	-	43	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	170	120	-	350	-	-	-	120	-	580	-	-	110	-	240	-	210	-	51	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	50	130	-	470	-	-	-	150	-	740	-	-	120	-	290	-	110	-	42	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	32	ND (33)	-	110	-	-	-	ND (32)	-	200	-	-	ND (33)	-	38	-	ND (34)	-	ND (32)	-
Inorganic Compounds (mg/kg)																				
Antimony	3	1.7	-	30	-	-	-	1.5	-	150	-	-	3.6	-	12	-	ND (1.2)	-	ND (1.1)	-
Arsenic	4.4	3.9	-	10	ND (2.7)	-	-	4.1	-	ND (3.2)	-	-	ND (3.3)	-	ND (3.2)	-	ND (3.6)	-	ND (3.3)	9.7
Barium	64	58	-	250	57	-	-	80	-	550	-	-	61	-	81	-	46	-	37	160
Beryllium	ND (0.41)	ND (0.33)	-	ND (0.34)	-	-	-	ND (0.33)	-	ND (0.32)	-	-	ND (0.33)	-	ND (0.32)	-	ND (0.36)	-	ND (0.33)	-
Cadmium	2.2	1.3	-	14	0.56	-	-	1.8	-	19	-	-	ND (0.56)	-	2.4	-	1.5	-	0.72	5
Chromium	18	27	-	60	11	-	-	25	-	96	-	-	22	-	26	-	20	-	38	31
Chromium VI (Hexavalent)	-	-	-	ND (1)	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-
Lead	170	48	-	2900	42	-	-	170	-	13000	-	-	140	-	1200	-	68	-	38	28000
Mercury	0.56	0.37	-	1.7	0.11	-	-	0.32	-	3.2	-	-	0.48	-	0.66	-	0.23	-	0.3	0.84
Nickel	30	19	-	78	-	-	-	17	-	120	-	-	15	-	26	-	16	-	13	-
Selenium	ND (6.9)	ND (7)	-	ND (15)	ND (5.3)	-	-	ND (7)	-	ND (18)	-	-	ND (5.6)	-	ND (5.4)	-	ND (6)	-	ND (5.5)	ND (6)
Silver	ND (1.4)	ND (1.1)	-	ND (1.1)	ND (0.53)	-	-	ND (1.1)	-	ND (1.1)	-	-	ND (1.1)	-	ND (1.1)	-	ND (1.2)	-	ND (1.1)	ND (0.6)
Thallium	ND (6.9)	ND (5.4)	-	ND (5.7)	-	-	-	ND (5.5)	-	ND (5.4)	-	-	ND (5.6)	-	ND (5.4)	-	ND (6)	-	ND (5.5)	-
Vanadium	51	37	-	110	-	-	-	30	-	170	-	-	26	-	37	-	26	-	16	-
Zinc	820	73	-	1300	-	-	-	180	-	2600	-	-	98	-	430	-	89	-	44	-
TCLP Inorganic Compounds (mg/L)																				
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2.7	-	-	27	-	-	-	ND (0.3)	-	430	-	-	ND (0.3)	-	180	-	-	-	-	580
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	-	ND (0.044)	ND (96)	-	-	ND (0.11)	ND (0.11)	ND (0.044)	ND (440)	-	ND (490)	ND (51)	ND (0.045)	ND (45)	-	ND (0.44)	ND (0.048)	ND (0.047)	-	ND (2.4)
Aroclor-1221 (PCB-1221)	-	ND (0.044)	ND (96)	-	-	ND (0.11)	ND (0.11)	ND (0.044)	ND (440)	-	ND (490)	ND (51)	ND (0.045)	ND (45)	-	ND (0.44)	ND (0.048)	ND (0.047)	-	ND (2.4)
Aroclor-1232 (PCB-1232)	-	ND (0.044)	ND (96)	-	-	ND (0.11)	ND (0.11)	ND (0.044)	ND (440)	-	ND (490)	ND (51)	ND (0.045)	ND (45)	-	ND (0.44)	ND (0.048)	ND (0.047)	-	ND (2.4)
Aroclor-1242 (PCB-1242)	-	ND (0.044)	ND (96)	-	-	ND (0.11)	ND (0.11)	ND (0.044)	ND (440)	-	ND (490)	ND (51)	ND (0.045)	ND (45)	-	ND (0.44)	ND (0.048)	ND (0.047)	-	ND (2.4)
Aroclor-1248 (PCB-1248)	-	0.42	ND (96)	-	-	0.15	0.13	0.24	ND (440)	-	ND (490)	140	0.27	ND (45)	-	ND (0.44)	0.13	ND (0.047)	-	4.4
Aroclor-1254 (PCB-1254)	-	ND (0.044)	300	-	-	0.26	0.21	ND (0.044)	2400	-	1000	ND (51)	ND (0.045)	340	-	1.4	ND (0.048)	ND (0.047)	-	9
Aroclor-1260 (PCB-1260)	-	0.099	240	-	-	ND (0.11)	ND (0.11)	0.15	1600	-	740	52	0.11	210	-	1	ND (0.048)	ND (0.047)	-	7.9
Aroclor-1262 (PCB-1262)	-	ND (0.044)	ND (96)	-	-	ND (0.11)	ND (0.11)	ND (0.044)	ND (440)	-	ND (490)	ND (51)	ND (0.045)	ND (45)	-	ND (0.44)	ND (0.048)	ND (0.047)	-	ND (2.4)
Aroclor-1268 (PCB-1268)	-	ND (0.044)	ND (96)	-	-	ND (0.11)	ND (0.11)	ND (0.044)	ND (440)	-	ND (490)	ND (51)	ND (0.045)	ND (45)	-	ND (0.44)	ND (0.048)	ND (0.047)	-	ND (2.4)
SUM of PCBs	-	0.519	540	-	-	0.41	0.34	0.39	4000	-	1740	192	0.38	550	-	2.4	0.13	ND	-	21.3
Other																				
Percent Solids, vol. (%wt)	-	-	-	-	89.8	87.3	89.8	-	-	-	-	-	-	-	-	-	-	-	-	82.9
Ignitability (Flashpoint) (Deg F)	165 >	165 >	-	165 >	-	-	-	165 >	-	165 >	-	-	165 >	-	165 >	-	165 >	-	165 >	-
Reactive Cyanide (mg/kg)	ND (50)	ND (50)	-	ND (50)	ND (4)	-	-	ND (50)	-	ND (50)	-	-	ND (50)	-	ND (50)	-	ND (50)	-	ND (50)	ND (4)
Reactive Sulfide (mg/kg)	ND (100)	ND (100)	-	ND (100)	ND (20)	-	-	ND (100)	-	ND (100)	-	-	ND (100)	-	ND (100)	-	ND (100)	-	ND (100)	ND (20)
Oxidation reduction potential (mv)	-	-	-	490	100	-	-	-	-	460	-	-	-	-	-	-	-	-	-	54
Ignitability (Flashpoint) (PA)	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
pH Corrosivity (pH units)	7.1	6.9	-	6.9	11	-	-	7.2	-	7.2	-	-	7.2	-	7.3	-	9	-	7.7	6.3
VPH (mg/kg)																				
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.6)	ND (1.5)	-	2.5	-	-	-	ND (1.3)	-	1.6	-	-	3.8	-	ND (1)	-	ND (1.4)	-	ND (1)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.6)	ND (1.5)	-	2.8	-	-	-	ND (1.3)	-	1.9	-	-	4.2	-	ND (1)	-	ND (1.4)	-	ND (1)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	1.6	ND (1.5)	-	3.1	-	-	-	ND (1.3)	-	7.3	-	-	2.8	-	ND (1)	-	ND (1.4)	-	ND (1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.6)	ND (1.5)	-	ND (1.8)	-	-	-	ND (1.3)	-	5.2	-	-	ND (2.5)	-	ND (1)	-	ND (1.4)	-	ND (1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	2.6	ND (1.5)	-	4.5	-	-	-	ND (1.3)	-	13	-	-	4.6	-	1	-	ND (1.4)	-	ND (1)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	L9	M10	M10	M12	M12	M12	M12A	M12A	M13	M13	M13	M14	M14	M14	M14	M14A	M15	M15
Sample Name	L9_S3_6.0-7.3	M10_S1_6.4-7.0	M10_S2_6.4-7.0	M12_S1_0.5-3	M12_S2_4-5	M12_S6_4-11.3	M12A_S1_3.3-7.3	M12A_S2_3.3-5.3	M13_S1_0.5-2.5	M13_S2_2.5-4.5	M13_S4_2.5-6.5	M14_S1_0.5-2.0	M14_S2_2.5-4.0	M14_S5_2.5-6.3	M14_S3_4.0-6.0	M14A_S1_2-7.5	M15_S1_1-2.5	M15_S2_5-5.5
Sample Date	03/04/2015	03/03/2015	03/03/2015	06/02/2010	06/02/2010	06/02/2010	01/23/2015	01/23/2015	06/22/2010	06/22/2010	06/22/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	01/23/2015	07/12/2010	07/12/2010
Lab Sample ID	15C0150-03	15C0080-01	15C0080-02	133618-42 133618-52 133618-62	133618-1	133618-43 133618-53 133618-63 133765-1 133765-5	15A0792-01 15A0974-01	15A0792-02	134176-37 134176-45 134176-51	134176-29	134176-40 134176-46 134176-52	133689-1 133689-49 133689-58	133689-2	133689-5 133689-50 133689-59 133883-1	133689-3	15A0796-01	134654-1 134654-31 134654-36	134654-2
Sample Depth (bgs)	6 - 7.3 (ft)	6.4 - 7 (ft)	6.4 - 7 (ft)	0.5 - 3 (ft)	4 - 5 (ft)	4 - 11.3 (ft)	3.3 - 7.3 (ft)	3.3 - 5.3 (ft)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	2.5 - 6.5 (ft)	0.5 - 2 (ft)	2.5 - 4 (ft)	2.5 - 6.3 (ft)	4 - 6 (ft)	2 - 7.5 (ft)	1 - 2.5 (ft)	5 - 5.5 (ft)
Sample Elevation (ft BCB)	13.3 to 12	12.6 to 12	12.6 to 12	18.8 to 16.3	15.3 to 14.3	15.3 to 8	16 to 12	16 to 14	19 to 17	17 to 15	17 to 13	19.1 to 17.6	17.1 to 15.6	17.1 to 13.3	15.6 to 13.6	17.5 to 12	18.5 to 17	14.5 to 14
Soil Description				FILL	FILL	FILL			FILL	FILL	FILL	FILL	FILL	FILL	FILL		FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	ND (0.0048)	-	ND (0.005)	-	ND (0.005)	ND (0.0038)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	0.022	-	ND (0.0032)	ND (0.005)	-
1,2,4-Trichlorobenzene	-	ND (0.0048)	-	ND (0.005)	-	ND (0.005)	ND (0.0038)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	0.018	-	ND (0.0032)	ND (0.005)	-
1,2,4-Trimethylbenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	0.014	-	ND (0.0016)	ND (0.005)	-
1,2-Dichlorobenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.005)	-	ND (0.005)	-	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	-	ND (0.005)	-
1,3-Dichlorobenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
1,4-Dichlorobenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Benzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Chlorobenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Chloroform (Trichloromethane)	-	ND (0.0048)	-	ND (0.005)	-	ND (0.005)	ND (0.0038)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0032)	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	0.006	-	ND (0.0016)	ND (0.005)	-
Ethylbenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Isopropylbenzene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	0.0016	ND (0.005)	-
m,p-Xylenes	-	ND (0.0048)	-	ND (0.005)	-	ND (0.005)	ND (0.0038)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0032)	ND (0.005)	-
Methyl Tert Butyl Ether	-	ND (0.0048)	-	ND (0.005)	-	ND (0.005)	ND (0.0038)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0032)	ND (0.005)	-
Methylene chloride	-	ND (0.012)	-	ND (0.05)	-	ND (0.05)	ND (0.0096)	-	ND (0.056)	-	ND (0.05)	ND (0.081)	-	ND (0.063)	-	ND (0.0081)	ND (0.05)	-
Naphthalene	-	ND (0.012)	-	ND (0.005)	-	ND (0.005)	ND (0.0096)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	0.016	-	ND (0.0081)	ND (0.005)	-
o-Xylene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Styrene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Tetrachloroethene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Toluene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
Trichloroethene	-	ND (0.0024)	-	ND (0.005)	-	ND (0.005)	ND (0.0019)	-	ND (0.006)	-	ND (0.005)	ND (0.008)	-	ND (0.006)	-	ND (0.0016)	ND (0.005)	-
SUM of Volatile Organic Compounds	-	ND	-	ND	-	ND	ND	-	ND	-	ND	ND	-	0.076	-	0.0016	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	ND (0.49)	-	ND (0.34)	-	1.2	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
1,2-Dichlorobenzene	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
1,3-Dichlorobenzene	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
1,4-Dichlorobenzene	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
2,4-Dimethylphenol	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
2-Chloronaphthalene	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
2-Methylnaphthalene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	ND (0.81)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	0.56	ND (0.36)	-
2-Methylphenol	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
3&4-Methylphenol	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Acenaphthene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	ND (0.81)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	0.24	ND (0.36)	-
Acenaphthylene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	ND (0.81)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.19)	ND (0.36)	-
Acetophenone	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Aniline	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Anthracene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	1.2	-	0.43	-	ND (0.39)	0.35	-	ND (0.43)	-	0.54	ND (0.36)	-
Benzo(a)anthracene	-	ND (0.25)	-	0.71	-	1.4	3.1	-	0.72	-	0.63	0.87	-	ND (0.43)	-	1.1	0.49	-
Benzo(a)pyrene	-	ND (0.25)	-	0.71	-	1.5	2.5	-	0.64	-	0.54	0.83	-	ND (0.43)	-	0.88	0.47	-
Benzo(b)fluoranthene	-	0.29	-	1	-	2.1	3.3	-	0.88	-	0.77	1.1	-	ND (0.43)	-	1.1	0.62	-
Benzo(g,h,i)perylene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	1.5	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	0.52	ND (0.36)	-
Benzo(k)fluoranthene	-	ND (0.25)	-	0.4	-	ND (0.77)	1.4	-	ND (0.35)	-	ND (0.39)	0.41	-	ND (0.43)	-	0.43	ND (0.36)	-
bis(2-Ethylhexyl)phthalate	-	ND (0.49)	-	ND (0.34)	-	1	3.5	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Butyl benzylphthalate	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Carbazole	-	-	-	ND (0.34)	-	ND (0.77)	-	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	-	ND (0.36)	-
Chrysene	-	0.38	-	0.72	-	1.6	3.3	-	0.74	-	0.61	0.92	-	ND (0.43)	-	1.2	0.49	-
Dibenz(a,h)anthracene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	ND (0.81)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.19)	ND (0.36)	-
Dibenzofuran	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	0.45	ND (0.36)	-
Diethyl phthalate	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Di-n-butylphthalate	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Fluoranthene	-	0.43	-	1.3	-	3.1	7.3	-	1.4	-	1.4	1.7	-	ND (0.43)	-	3.1	1	-
Fluorene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	ND (0.81)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	0.32	ND (0.36)	-
Indeno(1,2,3-cd)pyrene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	1.6	-	ND (0.35)	-	ND (0.39)	0.36	-	ND (0.43)	-	0.54	ND (0.36)	-
Naphthalene	-	ND (0.25)	-	ND (0.34)	-	ND (0.77)	ND (0.81)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	2	ND (0.36)	-
N-Nitrosodiphenylamine	-	-	-	ND (0.34)	-	ND (0.77)	-	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	-	ND (0.36)	-
Pentachlorophenol	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.73)	-
Phenanthrene	-	0.54	-	0.86	-	2.1	4.9	-	0.93	-	1.3	1.3	-	ND (0.43)	-	2.7	0.63	-
Phenol	-	ND (0.49)	-	ND (0.34)	-	ND (0.77)	ND (1.6)	-	ND (0.35)	-	ND (0.39)	ND (0.35)	-	ND (0.43)	-	ND (0.38)	ND (0.36)	-
Pyrene	-	0.39	-	0.99	-	2.5	7.1	-	1.3	-	1.2	1.4	-	ND (0.43)	-	2.8	0.9	-
SUM of Semi-Volatile Organic Compounds	-	2.03	-	6.69	-	16.5	40.7	-	7.04	-	6.45	9.24	-	ND	-	18.48	4.6	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	180	-	-	-	-	2600	-	-	-	-	-	-	-	-	380	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	L9	M10	M10	M12	M12	M12	M12A	M12A	M13	M13	M13	M14	M14	M14	M14	M14A	M15	M15
Sample Name	L9_S3_6.0-7.3	M10_S1_6.4-7.0	M10_S2_6.4-7.0	M12_S1_0.5-3	M12_S2_4-5	M12_S6_4-11.3	M12A_S1_3.3-7.3	M12A_S2_3.3-5.3	M13_S1_0.5-2.5	M13_S2_2.5-4.5	M13_S4_2.5-6.5	M14_S1_0.5-2.0	M14_S2_2.5-4.0	M14_S5_2.5-6.3	M14_S3_4.0-6.0	M14A_S1_2-7.5	M15_S1_1-2.5	M15_S2_5-5.5
Sample Date	03/04/2015	03/03/2015	03/03/2015	06/02/2010	06/02/2010	06/02/2010	01/23/2015	01/23/2015	06/22/2010	06/22/2010	06/22/2010	06/04/2010	06/04/2010	06/04/2010	06/04/2010	01/23/2015	07/12/2010	07/12/2010
Lab Sample ID	15C0150-03	15C0080-01	15C0080-02	133618-42 133618-52 133618-62	133618-1	133618-43 133618-53 133618-63 133765-1 133765-5	15A0792-01 15A0974-01	15A0792-02	134176-37 134176-45 134176-51	134176-29	134176-40 134176-46 134176-52	133689-1 133689-49 133689-58	133689-2	133689-5 133689-50 133689-59 133883-1	133689-3	15A0796-01	134654-1 134654-31 134654-36	134654-2
Sample Depth (bgs)	6 - 7.3 (ft)	6.4 - 7 (ft)	6.4 - 7 (ft)	0.5 - 3 (ft)	4 - 5 (ft)	4 - 11.3 (ft)	3.3 - 7.3 (ft)	3.3 - 5.3 (ft)	0.5 - 2.5 (ft)	2.5 - 4.5 (ft)	2.5 - 6.5 (ft)	0.5 - 2 (ft)	2.5 - 4 (ft)	2.5 - 6.3 (ft)	4 - 6 (ft)	2 - 7.5 (ft)	1 - 2.5 (ft)	5 - 5.5 (ft)
Sample Elevation (ft BCB)	13.3 to 12	12.6 to 12	12.6 to 12	18.8 to 16.3	15.3 to 14.3	15.3 to 8	16 to 12	16 to 14	19 to 17	17 to 15	17 to 13	19.1 to 17.6	17.1 to 15.6	17.1 to 13.3	15.6 to 13.6	17.5 to 12	18.5 to 17	14.5 to 14
Soil Description				FILL	FILL	FILL			FILL	FILL	FILL	FILL	FILL	FILL	FILL		FILL	HYDRAULIC FILL
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	62	-	150	-	-	77	-	240	88	-	120	-	-	130	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	71	-	160	-	-	94	-	250	97	-	130	-	-	150	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	71	-	220	-	-	66	-	260	110	-	150	-	-	170	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (33)	-	37	-	-	ND (32)	-	ND (35)	ND (33)	-	45	-	-	ND (32)	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	2.4	-	38	-	-	2.5	-	1.8	2.6	-	1.8	-	-	4.1	-
Arsenic	-	9.2	-	ND (3.4)	-	ND (3.8)	3.9	-	ND (3.2)	-	ND (3.5)	ND (3.4)	-	ND (3.8)	-	ND (2.7)	ND (3.5)	-
Barium	-	73	-	58	-	310	250	-	79	-	46	63	-	32	-	69	45	-
Beryllium	-	-	-	ND (0.34)	-	ND (0.38)	-	-	ND (0.32)	-	ND (0.35)	ND (0.34)	-	ND (0.38)	-	-	ND (0.35)	-
Cadmium	-	1.5	-	1	-	9.1	5.8	-	1.6	-	1.1	1.1	-	ND (0.64)	-	0.73	1.7	-
Chromium	-	7.5	-	28	-	49	36	-	30	-	17	24	-	11	-	14	30	-
Chromium VI (Hexavalent)	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	88	-	65	-	6100	2000	-	92	-	85	88	-	160	-	83	62	-
Mercury	-	0.057	-	0.1	-	1.5	1.5	-	0.18	-	0.12	0.79	-	0.2	-	0.19	0.44	-
Nickel	-	-	-	17	-	58	-	-	21	-	13	15	-	ND (6.4)	-	-	21	-
Selenium	-	ND (6.7)	-	ND (5.7)	-	ND (6.3)	ND (5.8)	-	5.5	-	ND (5.8)	ND (5.6)	-	ND (6.4)	-	ND (5.4)	ND (5.8)	-
Silver	-	ND (0.67)	-	ND (1.1)	-	ND (1.3)	ND (1.2)	-	ND (1.1)	-	ND (1.2)	ND (1.1)	-	ND (1.3)	-	ND (0.54)	ND (1.2)	-
Thallium	-	-	-	ND (5.7)	-	ND (6.3)	-	-	ND (5.4)	-	ND (5.8)	ND (5.6)	-	ND (6.4)	-	-	ND (5.8)	-
Vanadium	-	-	-	32	-	110	-	-	51	-	24	33	-	12	-	-	44	-
Zinc	-	-	-	87	-	1300	-	-	120	-	85	97	-	58	-	-	100	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	72	62	-	-	-	-	-	-	3	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (1.2)	-	ND (0.13)	ND (0.04)	ND (10)	ND (0.49)	-	ND (0.11)	ND (0.045)	ND (120)	-	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	-	ND (0.045)	ND (4.2)
Aroclor-1221 (PCB-1221)	ND (1.2)	-	ND (0.13)	ND (0.04)	ND (10)	ND (0.49)	-	ND (0.11)	ND (0.045)	ND (120)	-	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	-	ND (0.045)	ND (4.2)
Aroclor-1232 (PCB-1232)	ND (1.2)	-	ND (0.13)	ND (0.04)	ND (10)	ND (0.49)	-	ND (0.11)	ND (0.045)	ND (120)	-	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	-	ND (0.045)	ND (4.2)
Aroclor-1242 (PCB-1242)	ND (1.2)	-	ND (0.13)	0.61	ND (10)	ND (0.49)	-	ND (0.11)	ND (0.045)	ND (120)	-	1.7	ND (0.04)	ND (2.6)	ND (4.8)	-	ND (0.045)	ND (4.2)
Aroclor-1248 (PCB-1248)	2.9	-	ND (0.13)	ND (0.04)	ND (10)	ND (0.49)	-	0.42	2.9	460	-	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	-	1.2	ND (4.2)
Aroclor-1254 (PCB-1254)	6	-	ND (0.13)	ND (0.04)	170	6.5	-	0.26	ND (0.045)	ND (120)	-	ND (0.04)	0.084	ND (2.6)	ND (4.8)	-	ND (0.045)	43
Aroclor-1260 (PCB-1260)	6.4	-	ND (0.13)	0.2	120	5.9	-	0.13	0.39	260	-	0.42	0.055	26	110	-	0.28	34
Aroclor-1262 (PCB-1262)	ND (1.2)	-	ND (0.13)	ND (0.04)	ND (10)	ND (0.49)	-	ND (0.11)	ND (0.045)	ND (120)	-	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	-	ND (0.045)	ND (4.2)
Aroclor-1268 (PCB-1268)	ND (1.2)	-	ND (0.13)	ND (0.04)	ND (10)	ND (0.49)	-	ND (0.11)	ND (0.045)	ND (120)	-	ND (0.04)	ND (0.04)	ND (2.6)	ND (4.8)	-	ND (0.045)	ND (4.2)
SUM of PCBs	15.3	-	ND	0.81	290	12.4	-	0.81	3.29	720	-	2.12	0.139	26	110	-	1.48	77
Other																		
Percent Solids, vol. (%wt)	81.9	68.8	78.3	-	-	-	84.4	89.6	-	-	-	-	-	-	-	89.9	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	165 >	-	-	165 >	-	165 >	165 >	-	165 >	-	-	165 >	-
Reactive Cyanide (mg/kg)	-	ND (4)	-	ND (50)	-	ND (50)	ND (3.9)	-	ND (50)	-	ND (50)	ND (50)	-	ND (50)	-	ND (3.9)	ND (50)	-
Reactive Sulfide (mg/kg)	-	ND (20)	-	ND (100)	-	ND (100)	ND (20)	-	ND (100)	-	ND (100)	ND (100)	-	ND (100)	-	ND (20)	ND (100)	-
Oxidation reduction potential (mv)	-	74	-	-	-	-	120	-	-	-	-	-	-	-	-	61	-	-
Ignitability (Flashpoint) (PA)	-	0	-	-	-	-	0	-	-	-	-	-	-	-	-	0	-	-
pH Corrosivity (pH units)	-	6.5	-	6.9	-	6.9	8.2	-	7.2	-	8.3	7.8	-	9	-	11	6.8	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.4)	-	ND (1.5)	-	-	ND (1.9)	-	ND (1.2)	ND (1.3)	-	ND (2)	-	-	ND (1.2)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	ND (1.4)	-	ND (1.5)	-	-	ND (1.9)	-	ND (1.2)	ND (1.3)	-	ND (2)	-	-	ND (1.2)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	ND (1.4)	-	ND (1.5)	-	-	ND (1.9)	-	1.4	ND (1.3)	-	2.7	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.4)	-	ND (1.5)	-	-	ND (1.9)	-	ND (1.2)	ND (1.3)	-	4.4	-	-	ND (1.2)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	ND (1.4)	-	2.4	-	-	ND (1.9)	-	1.7	ND (1.3)	-	7.2	-	-	ND (1.2)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	M15	M15	M16	M16	M16	M16	M16	M17	M17	M17	M18	M18	M18A	M9	M9	M9	M9	N10
Sample Name	M15_S5_5-9.5	M15_S3_5.5-7.5	M16_S1_1.0-1.6	M16_S2_2.0-3.6	M16_S3_3.6-5.6	M16_S4_5.6-7.6	M16_S6_2.0-8.9	M17_S1_0.4-2.2	M17_S2_3.4-5.4	M17_S5_3.4-9.4	M18_S1_0.7-3.3	M18_S6_3.3-9.3	M18A_S1_3.2-5.2	M9_S1_6.0-7.0	M9_S3_6.0-7.0	M9_S2_7.0-9.0	M9_S4_7.0-9.0	N10_S1_0-4
Sample Date	07/12/2010	07/12/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/08/2010	07/21/2010	07/21/2010	07/21/2010	06/17/2010	06/18/2010	01/22/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	01/23/2015
	~~134654-32~~									~~134943-27~~								
	134654-37		134565-16				134611-15			134943-30	134053-55	134117-49						
	134654-5		134565-20				134611-50	134943-24		134943-35	134053-68	134117-53		15C0527-01		15C0527-02		
	134865-1		134565-23				134611-57	134943-29		135123-2	134053-77	134117-62		15C0905-01		15C0905-02		
Lab Sample ID	134865-4	134654-3	134744-2	134565-12	134565-13	134565-14	134787-3	134943-34	134943-1	135123-4	134263-2	134331-4	15A0734-01	15C1259-01	15C0527-03	15C1259-02	15C0527-04	15A0793-01
Sample Depth (bgs)	5 - 9.5 (ft)	5.5 - 7.5 (ft)	1 - 1.6 (ft)	2 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	2 - 8.9 (ft)	0.4 - 2.2 (ft)	3.4 - 5.4 (ft)	3.4 - 9.4 (ft)	0.7 - 3.3 (ft)	3.3 - 9.3 (ft)	3.2 - 5.2 (ft)	6 - 7 (ft)	6 - 7 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 4 (ft)
Sample Elevation (ft BCB)	14.5 to 10	14 to 12	18.6 to 18	17.6 to 16	16 to 14	14 to 12	17.6 to 10.7	19 to 17.2	16 to 14	16 to 10	18.5 to 15.9	15.9 to 9.9	16 to 14	13 to 12	13 to 12	12 to 10	12 to 10	18.6 to 14.6
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL						
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	0.016	ND (0.005)	ND (0.005)	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0029)
1,2,4-Trichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	0.016	ND (0.005)	ND (0.005)	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0029)
1,2,4-Trimethylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
1,2-Dichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
1,3,5-Trichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	-	-	-	-	-
1,3-Dichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
1,4-Dichlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
Benzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
Chlorobenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
Chloroform (Trichloromethane)	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0029)
Cymene (p-Isopropyltoluene)	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
Ethylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	0.0013	-	ND (0.0012)	-	ND (0.0015)
Isopropylbenzene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
m,p-Xylenes	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	0.0026	-	ND (0.0024)	-	ND (0.0029)
Methyl Tert Butyl Ether	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0022)	-	ND (0.0024)	-	ND (0.0029)
Methylene chloride	ND (0.05)	-	ND (0.05)	-	-	-	ND (0.05)	ND (0.059)	-	ND (0.063)	ND (0.05)	ND (0.053)	-	ND (0.0056)	-	ND (0.0059)	-	ND (0.0073)
Naphthalene	ND (0.005)	-	0.005	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0056)	-	ND (0.0059)	-	ND (0.0073)
o-Xylene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	0.0011	-	ND (0.0012)	-	ND (0.0015)
Styrene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	0.002	-	ND (0.0012)	-	ND (0.0015)
Tetrachloroethene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
Toluene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
Trichloroethene	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.005)	ND (0.006)	-	ND (0.006)	ND (0.005)	ND (0.005)	-	ND (0.0011)	-	ND (0.0012)	-	ND (0.0015)
SUM of Volatile Organic Compounds	ND	-	0.005	-	-	-	ND	ND	-	0.032	ND	ND	-	0.007	-	ND	-	ND
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.36)	-	ND (0.37)	-	-	-	0.66	ND (0.37)	-	0.64	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
1,2-Dichlorobenzene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
1,3-Dichlorobenzene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
1,4-Dichlorobenzene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
2,4-Dimethylphenol	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
2-Chloronaphthalene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
2-Methylnaphthalene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (0.77)	-	3.3	-	ND (0.19)
2-Methylphenol	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
3&4-Methylphenol	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Acenaphthene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	0.65	ND (0.36)	ND (0.38)	-	ND (0.77)	-	0.92	-	0.26
Acenaphthylene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (0.77)	-	1.1	-	ND (0.19)
Acetophenone	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Aniline	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Anthracene	ND (0.36)	-	0.69	-	-	-	0.56	0.39	-	1.2	0.39	ND (0.38)	-	ND (0.77)	-	1.1	-	0.44
Benzo(a)anthracene	0.65	-	1.6	-	-	-	1.7	0.76	-	1.9	0.95	ND (0.38)	-	1	-	3.6	-	1.2
Benzo(a)pyrene	0.63	-	1.4	-	-	-	1.7	0.65	-	1.4	0.83	ND (0.38)	-	1	-	3.2	-	1.1
Benzo(b)fluoranthene	0.94	-	1.9	-	-	-	2.6	0.8	-	2	1	ND (0.38)	-	1.6	-	4.4	-	1.4
Benzo(g,h,i)perylene	ND (0.36)	-	0.43	-	-	-	ND (0.36)	ND (0.37)	-	0.62	0.57	ND (0.38)	-	0.84	-	1.5	-	0.86
Benzo(k)fluoranthene	ND (0.36)	-	0.62	-	-	-	0.86	ND (0.37)	-	0.68	0.39	ND (0.38)	-	ND (0.77)	-	1.5	-	0.54
bis(2-Ethylhexyl)phthalate	0.39	-	0.63	-	-	-	1.6	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Butyl benzylphthalate	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Carbazole	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	0.58	ND (0.36)	ND (0.38)	-	-	-	-	-	-
Chrysene	0.64	-	1.5	-	-	-	1.8	0.75	-	1.9	0.88	ND (0.38)	-	1.1	-	3.2	-	1.2
Dibenz(a,h)anthracene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (0.77)	-	ND (0.79)	-	0.19
Dibenzofuran	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	0.47	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Diethyl phthalate	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Di-n-butylphthalate	0.69	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Fluoranthene	1.2	-	3	-	-	-	3.4	1.6	-	4.6	1.8	0.71	-	2	-	8.6	-	2.7
Fluorene	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	0.63	ND (0.36)	ND (0.38)	-	ND (0.77)	-	2.1	-	0.21
Indeno(1,2,3-cd)pyrene	ND (0.36)	-	0.6	-	-	-	0.6	ND (0.37)	-	0.8	0.65	ND (0.38)	-	0.9	-	1.9	-	0.83
Naphthalene	ND (0.36)	-	0.62	-	-	-	0.37	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (0.77)	-	4.1	-	0.22
N-Nitrosodiphenylamine	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	-	-	-	-	-
Pentachlorophenol	ND (0.73)	-	ND (0.75)	-	-	-	ND (0.74)	ND (0.76)	-	ND (0.79)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Phenanthrene	0.67	-	2.5	-	-	-	2.2	1.4	-	4.7	1.3	0.56	-	0.79	-	5	-	2
Phenol	ND (0.36)	-	ND (0.37)	-	-	-	ND (0.36)	ND (0.37)	-	ND (0.39)	ND (0.36)	ND (0.38)	-	ND (1.5)	-	ND (1.6)	-	ND (0.39)
Pyrene	1.1	-	2.6	-	-	-	2.5	1.3	-	4.1	1.6	0.62	-	1.8	-	7.8	-	2.4
SUM of Semi-Volatile Organic Compounds	6.91	-	18.09	-	-	-	20.55	7.65	-	26.87	10.36	1.89	-	11.03	-	53.32	-	15.55
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	1300	-	1300	-	270

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	M15	M15	M16	M16	M16	M16	M16	M17	M17	M17	M18	M18	M18A	M9	M9	M9	M9	N10
Sample Name	M15_S5_5-9.5	M15_S3_5.5-7.5	M16_S1_1.0-1.6	M16_S2_2.0-3.6	M16_S3_3.6-5.6	M16_S4_5.6-7.6	M16_S6_2.0-8.9	M17_S1_0.4-2.2	M17_S2_3.4-5.4	M17_S5_3.4-9.4	M18_S1_0.7-3.3	M18_S6_3.3-9.3	M18A_S1_3.2-5.2	M9_S1_6.0-7.0	M9_S3_6.0-7.0	M9_S2_7.0-9.0	M9_S4_7.0-9.0	N10_S1_0-4
Sample Date	07/12/2010	07/12/2010	07/07/2010	07/07/2010	07/07/2010	07/07/2010	07/08/2010	07/21/2010	07/21/2010	07/21/2010	06/17/2010	06/18/2010	01/22/2015	03/03/2015	03/03/2015	03/03/2015	03/03/2015	01/23/2015
	134654-32									134943-27								
	134654-37		134565-16				134611-15			134943-30	134053-55	134117-49						
	134654-5		134565-20				134611-50	134943-24		134943-35	134053-68	134117-53		15C0527-01		15C0527-02		
	134865-1		134565-23				134611-57	134943-29		135123-2	134053-77	134117-62		15C0905-01		15C0905-02		
Lab Sample ID	134865-4	134654-3	134744-2	134565-12	134565-13	134565-14	134787-3	134943-34	134943-1	135123-4	134263-2	134331-4	15A0734-01	15C1259-01	15C0527-03	15C1259-02	15C0527-04	15A0793-01
Sample Depth (bgs)	5 - 9.5 (ft)	5.5 - 7.5 (ft)	1 - 1.6 (ft)	2 - 3.6 (ft)	3.6 - 5.6 (ft)	5.6 - 7.6 (ft)	2 - 8.9 (ft)	0.4 - 2.2 (ft)	3.4 - 5.4 (ft)	3.4 - 9.4 (ft)	0.7 - 3.3 (ft)	3.3 - 9.3 (ft)	3.2 - 5.2 (ft)	6 - 7 (ft)	6 - 7 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 4 (ft)
Sample Elevation (ft BCB)	14.5 to 10	14 to 12	18.6 to 18	17.6 to 16	16 to 14	14 to 12	17.6 to 10.7	19 to 17.2	16 to 14	16 to 10	18.5 to 15.9	15.9 to 9.9	16 to 14	13 to 12	13 to 12	12 to 10	12 to 10	18.6 to 14.6
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL						
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	150	-	120	-	-	-	390	110	-	250	120	82	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	160	-	140	-	-	-	410	130	-	290	140	88	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	220	-	160	-	-	-	500	90	-	260	100	ND (34)	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	57	-	ND (33)	-	-	-	120	ND (34)	-	64	ND (34)	ND (34)	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	15	-	4.2	-	-	-	4.8	ND (1.1)	-	32	ND (1.3)	ND (1.2)	-	-	-	-	-	-
Arsenic	ND (3.4)	-	4.9	-	-	-	ND (0.3)	ND (3.4)	-	5.1	4.7	ND (3.7)	-	13	-	11	-	5
Barium	93	-	82	-	-	-	46	24	-	390	65	83	-	120	-	43	-	60
Beryllium	ND (0.34)	-	ND (0.34)	-	-	-	ND (0.03)	ND (0.34)	-	ND (0.36)	ND (0.39)	ND (0.37)	-	-	-	-	-	-
Cadmium	5	-	2.3	-	-	-	1.7	0.6	-	9.6	1.4	1.6	-	3.1	-	1.7	-	0.71
Chromium	160	-	26	-	-	-	9.9	8.9	-	65	21	29	-	30	-	13	-	21
Chromium VI (Hexavalent)	ND (1)	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-
Lead	1700	-	530	-	-	-	900	36	-	6100	110	160	-	26000	-	18000	-	72
Mercury	0.37	-	0.95	-	-	-	0.29	0.23	-	2.5	0.07	0.38	-	0.28	-	0.17	-	0.37
Nickel	88	-	19	-	-	-	14	6.7	-	160	15	20	-	-	-	-	-	-
Selenium	ND (5.7)	-	ND (5.6)	-	-	-	ND (0.6)	ND (5.7)	-	ND (5.9)	ND (6.5)	ND (6.1)	-	ND (5.2)	-	ND (5.6)	-	ND (5.4)
Silver	ND (1.1)	-	ND (1.1)	-	-	-	ND (0.1)	ND (1.1)	-	ND (1.2)	ND (1.3)	ND (1.2)	-	ND (0.52)	-	ND (0.56)	-	ND (0.54)
Thallium	ND (5.7)	-	ND (5.6)	-	-	-	ND (0.6)	ND (5.7)	-	16	ND (6.5)	ND (6.1)	-	-	-	-	-	-
Vanadium	290	-	34	-	-	-	30	13	-	140	28	33	-	-	-	-	-	-
Zinc	440	-	230	-	-	-	210	51	-	1000	100	120	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	1.3	-	14	-	-	-	400	-	-	7.2	0.3	ND (0.3)	-	240	-	480	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	ND (0.045)	ND (47)	-	ND (0.046)	-	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-
Aroclor-1221 (PCB-1221)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	ND (0.045)	ND (47)	-	ND (0.046)	-	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-
Aroclor-1232 (PCB-1232)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	ND (0.045)	ND (47)	-	ND (0.046)	-	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-
Aroclor-1242 (PCB-1242)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	ND (0.045)	ND (47)	-	ND (0.046)	-	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-
Aroclor-1248 (PCB-1248)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	0.14	ND (47)	-	0.19	-	ND (0.11)	53	6.5	1.2	0.43	-
Aroclor-1254 (PCB-1254)	-	44	5.6	360	220	10	-	ND (0.045)	290	-	ND (0.046)	-	ND (0.11)	95	11	2.4	0.98	-
Aroclor-1260 (PCB-1260)	-	34	4.3	310	160	6.7	-	0.047	280	-	0.066	-	ND (0.11)	77	9.8	3.6	1.4	-
Aroclor-1262 (PCB-1262)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	ND (0.045)	ND (47)	-	ND (0.046)	-	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-
Aroclor-1268 (PCB-1268)	-	ND (4.6)	ND (0.86)	ND (85)	ND (49)	ND (1.3)	-	ND (0.045)	ND (47)	-	ND (0.046)	-	ND (0.11)	ND (22)	ND (2.2)	ND (0.55)	ND (0.12)	-
SUM of PCBs	-	78	9.9	670	380	16.7	-	0.187	570	-	0.256	-	ND	225	27.3	7.2	2.81	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	92.3	91.3	92.1	86.7	84	88.3
Ignitability (Flashpoint) (Deg F)	165 >	-	165 >	-	-	-	165 >	165 >	-	165 >	165 >	165 >	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	ND (50)	-	-	-	ND (50)	ND (50)	-	ND (50)	ND (50)	ND (50)	-	ND (4)	-	ND (3.9)	-	ND (3.9)
Reactive Sulfide (mg/kg)	ND (100)	-	ND (100)	-	-	-	ND (100)	ND (100)	-	ND (100)	ND (100)	ND (100)	-	ND (20)	-	ND (19)	-	ND (20)
Oxidation reduction potential (mv)	430	-	-	-	-	-	-	-	-	430	-	-	-	-	-	-	-	49
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	0	-	0
pH Corrosivity (pH units)	7.1	-	6.8	-	-	-	7.2	6.9	-	7.2	8.6	7.5	-	8.2	-	8	-	9.3
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1)	-	ND (1.2)	-	-	-	1.7	ND (1.2)	-	2.2	ND (1.1)	ND (1.5)	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1)	-	ND (1.2)	-	-	-	2	ND (1.2)	-	2.4	ND (1.1)	ND (1.5)	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1)	-	ND (1.2)	-	-	-	2.2	ND (1.2)	-	2.4	ND (1.1)	ND (1.5)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1)	-	ND (1.2)	-	-	-	2	ND (1.2)	-	ND (1.5)	ND (1.1)	ND (1.5)	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1)	-	ND (1.2)	-	-	-	4.7	ND (1.2)	-	3.8	1.2	1.5	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	N10	N10	N10	N10	N10	N11	N11	N11	N12	N12	N12	N13	N13	N13	N14	N14	N14	N15
Sample Name	N10_S3_0-2.5	N10_S4_2.5-4.5	N10_S5_4.5-6.5	N10_S2_5-6.5	N10_S6_6.5-8.5	N11_S1_0.3-4	N11_S2_4.5-11	N11_S5_5-7	N12_S1_0-3.3	N12_S2_4.9-6.9	N12_S4_4.9-10.9	N13_S1_1-2.3	N13_S4_2.7-8.0	N13_S2_4-6	N14_S1_0.6-1.6	N14_S4_2.5-9	N14_S2_5-7	N15_S1_0.5-2.7
Sample Date	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/01/2010	06/01/2010	06/01/2010	06/04/2010	06/04/2010	06/04/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/21/2010
						133615-1							134176-39					
						133615-34					133689-35		134176-44					
						133615-41	133615-35		133689-32		133689-55	134176-36	134176-50		134176-35	134176-38		134155-12
				15A0793-02		133615-48	133615-42		133689-54		133689-64	134176-43	134365-1		134176-41	134176-42		134155-65
Lab Sample ID	15A0793-03	15A0793-04	15A0793-05	15A0975-01	15A0793-06	133764-1	133615-49	133615-2	133689-63	133689-33	133883-4	134176-49	134365-2	134176-14	134176-47	134176-48	134176-10	134155-76
Sample Depth (bgs)	0 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.3 - 4 (ft)	4.5 - 11 (ft)	5 - 7 (ft)	0 - 3.3 (ft)	4.9 - 6.9 (ft)	4.9 - 10.9 (ft)	1 - 2.3 (ft)	2.7 - 8 (ft)	4 - 6 (ft)	0.6 - 1.6 (ft)	2.5 - 9 (ft)	5 - 7 (ft)	0.5 - 2.7 (ft)
Sample Elevation (ft BCB)	18.6 to 16.1	16.1 to 14.1	14.1 to 12.1	13.6 to 12.1	12.1 to 10.1	18.5 to 14.8	14.3 to 7.8	13.8 to 11.8	18.9 to 15.6	14 to 12	14 to 8	18 to 16.7	16.3 to 11	15 to 13	18.4 to 17.4	16.5 to 10	14 to 12	18.7 to 16.5
Soil Description						FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	-	ND (0.003)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
1,2,4-Trichlorobenzene	-	-	-	ND (0.003)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
1,2-Dichlorobenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
1,3,5-Trichlorobenzene	-	-	-	-	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
1,3-Dichlorobenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
1,4-Dichlorobenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Benzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Chlorobenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Chloroform (Trichloromethane)	-	-	-	ND (0.003)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.0015)	-	ND (0.009)	0.9	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Ethylbenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Isopropylbenzene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
m,p-Xylenes	-	-	-	ND (0.003)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Methyl Tert Butyl Ether	-	-	-	ND (0.003)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Methylene chloride	-	-	-	ND (0.0075)	-	ND (0.093)	ND (1.9)	-	ND (1)	-	ND (0.092)	ND (0.05)	ND (3.7)	-	ND (0.05)	ND (0.05)	-	ND (0.05)
Naphthalene	-	-	-	ND (0.0075)	-	ND (0.009)	ND (0.48)	-	0.55	-	ND (0.009)	ND (0.005)	2.4	-	ND (0.005)	ND (0.005)	-	ND (0.005)
o-Xylene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Styrene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Tetrachloroethene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	0.007
Toluene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	7.4	-	ND (0.005)	ND (0.005)	-	ND (0.005)
Trichloroethene	-	-	-	ND (0.0015)	-	ND (0.009)	ND (0.48)	-	ND (0.25)	-	ND (0.009)	ND (0.005)	ND (0.92)	-	ND (0.005)	ND (0.005)	-	ND (0.005)
SUM of Volatile Organic Compounds	-	-	-	ND	-	ND	0.9	-	0.55	-	ND	ND	9.8	-	ND	ND	-	0.007
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
1,2-Dichlorobenzene	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
1,3-Dichlorobenzene	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
1,4-Dichlorobenzene	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
2,4-Dimethylphenol	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
2-Chloronaphthalene	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
2-Methylnaphthalene	-	-	-	ND (0.19)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
2-Methylphenol	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
3&4-Methylphenol	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Acenaphthene	-	-	-	ND (0.19)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Acenaphthylene	-	-	-	0.24	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Acetophenone	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Aniline	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Anthracene	-	-	-	0.43	-	0.49	ND (0.38)	-	ND (0.34)	-	ND (11)	0.5	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Benzo(a)anthracene	-	-	-	1.4	-	1.3	0.46	-	0.66	-	ND (11)	1	2.9	-	0.83	ND (0.35)	-	ND (0.35)
Benzo(a)pyrene	-	-	-	1	-	1.2	0.45	-	0.61	-	ND (11)	0.94	2.5	-	0.76	ND (0.35)	-	ND (0.35)
Benzo(b)fluoranthene	-	-	-	1.5	-	1.5	0.69	-	0.87	-	ND (11)	1.2	4	-	1	ND (0.35)	-	ND (0.35)
Benzo(g,h,i)perylene	-	-	-	0.39	-	0.89	0.39	-	ND (0.34)	-	ND (11)	0.41	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Benzo(k)fluoranthene	-	-	-	0.65	-	0.55	ND (0.38)	-	0.34	-	ND (11)	0.46	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
bis(2-Ethylhexyl)phthalate	-	-	-	ND (0.37)	-	ND (0.37)	0.39	-	ND (0.34)	-	ND (11)	ND (0.36)	2.5	-	ND (0.38)	ND (0.35)	-	0.65
Butyl benzylphthalate	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Carbazole	-	-	-	-	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Chrysene	-	-	-	1.2	-	1.3	0.48	-	0.65	-	ND (11)	1	3.2	-	0.87	ND (0.35)	-	ND (0.35)
Dibenz(a,h)anthracene	-	-	-	ND (0.19)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Dibenzofuran	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Diethyl phthalate	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Di-n-butylphthalate	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Fluoranthene	-	-	-	3	-	2.6	1	-	1.3	-	ND (11)	2.1	6.1	-	1.7	0.41	-	ND (0.35)
Fluorene	-	-	-	ND (0.19)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Indeno(1,2,3-cd)pyrene	-	-	-	0.43	-	0.93	0.4	-	ND (0.34)	-	ND (11)	0.47	ND (1.9)	-	0.4	ND (0.35)	-	ND (0.35)
Naphthalene	-	-	-	ND (0.19)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
N-Nitrosodiphenylamine	-	-	-	-	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Pentachlorophenol	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Phenanthrene	-	-	-	1.7	-	1.8	0.66	-	0.91	-	ND (11)	1.7	3.6	-	1.2	0.44	-	ND (0.35)
Phenol	-	-	-	ND (0.37)	-	ND (0.37)	ND (0.38)	-	ND (0.34)	-	ND (11)	ND (0.36)	ND (1.9)	-	ND (0.38)	ND (0.35)	-	ND (0.35)
Pyrene	-	-	-	2.5	-	2.3	0.97	-	0.97	-	ND (11)	1.9	5.1	-	1.5	ND (0.35)	-	ND (0.35)
SUM of Semi-Volatile Organic Compounds	-	-	-	14.44	-	14.86	5.89	-	6.31	-	ND	11.68	29.9	-	8.26	0.85	-	0.65
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	N10	N10	N10	N10	N10	N11	N11	N11	N12	N12	N12	N13	N13	N13	N14	N14	N14	N15
Sample Name	N10_S3_0-2.5	N10_S4_2.5-4.5	N10_S5_4.5-6.5	N10_S2_5-6.5	N10_S6_6.5-8.5	N11_S1_0.3-4	N11_S2_4.5-11	N11_S5_5-7	N12_S1_0-3.3	N12_S2_4.9-6.9	N12_S4_4.9-10.9	N13_S1_1-2.3	N13_S4_2.7-8.0	N13_S2_4-6	N14_S1_0.6-1.6	N14_S4_2.5-9	N14_S2_5-7	N15_S1_0.5-2.7
Sample Date	01/23/2015	01/23/2015	01/23/2015	01/23/2015	01/23/2015	06/01/2010	06/01/2010	06/01/2010	06/04/2010	06/04/2010	06/04/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/22/2010	06/21/2010
						133615-1							134176-39					
						133615-34					133689-35		134176-44					
						133615-41	133615-35		133689-32		133689-55	134176-36	134176-50		134176-35	134176-38		134155-12
				15A0793-02		133615-48	133615-42		133689-54		133689-64	134176-43	134365-1		134176-41	134176-42		134155-65
Lab Sample ID	15A0793-03	15A0793-04	15A0793-05	15A0975-01	15A0793-06	133764-1	133615-49	133615-2	133689-63	133689-33	133883-4	134176-49	134365-2	134176-14	134176-47	134176-48	134176-10	134155-76
Sample Depth (bgs)	0 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	5 - 6.5 (ft)	6.5 - 8.5 (ft)	0.3 - 4 (ft)	4.5 - 11 (ft)	5 - 7 (ft)	0 - 3.3 (ft)	4.9 - 6.9 (ft)	4.9 - 10.9 (ft)	1 - 2.3 (ft)	2.7 - 8 (ft)	4 - 6 (ft)	0.6 - 1.6 (ft)	2.5 - 9 (ft)	5 - 7 (ft)	0.5 - 2.7 (ft)
Sample Elevation (ft BCB)	18.6 to 16.1	16.1 to 14.1	14.1 to 12.1	13.6 to 12.1	12.1 to 10.1	18.5 to 14.8	14.3 to 7.8	13.8 to 11.8	18.9 to 15.6	14 to 12	14 to 8	18 to 16.7	16.3 to 11	15 to 13	18.4 to 17.4	16.5 to 10	14 to 12	18.7 to 16.5
Soil Description						FILL	MISCELLANEOUS FILL	MISCELLANEOUS FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	92	50	-	65	-	1200	89	690	-	96	48	-	310
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	110	53	-	77	-	1200	110	720	-	110	50	-	310
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	65	66	-	67	-	2700	86	930	-	150	76	-	360
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	ND (33)	ND (33)	-	ND (32)	-	2300	ND (32)	290	-	ND (34)	ND (32)	-	ND (31)
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	3.8	2.2	-	2	-	12	1.7	87	-	2.2	ND (1.1)	-	ND (1)
Arsenic	-	-	-	3.4	-	3.5	ND (3.4)	-	5.9	-	ND (3.8)	ND (3.4)	ND (3.5)	-	3.7	ND (3.2)	-	ND (3.1)
Barium	-	-	-	34	-	110	34	-	47	-	160	53	430	-	61	21	-	30
Beryllium	-	-	-	-	-	ND (0.34)	ND (0.34)	-	ND (0.31)	-	ND (0.38)	ND (0.34)	ND (0.35)	-	ND (0.36)	ND (0.32)	-	ND (0.31)
Cadmium	-	-	-	0.9	-	1.3	1.7	-	1.3	-	1.9	0.96	28	-	1.1	ND (0.53)	-	0.57
Chromium	-	-	-	16	-	30	9.9	-	19	-	5.9	21	73	-	23	5	-	12
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Lead	-	-	-	130	-	120	70	-	65	-	1300	70	16000	-	95	19	-	15
Mercury	-	-	-	0.12	-	0.54	0.095	-	0.57	-	14	0.44	2.2	-	1.5	0.064	-	ND (0.018)
Nickel	-	-	-	-	-	21	13	-	12	-	9.8	16	88	-	17	ND (5.3)	-	9.3
Selenium	-	-	-	ND (5.1)	-	ND (5.6)	ND (5.6)	-	5.2	-	ND (6.3)	ND (5.6)	15	-	ND (5.9)	ND (5.3)	-	ND (5.2)
Silver	-	-	-	ND (0.51)	-	ND (1.1)	ND (1.1)	-	ND (1)	-	ND (1.3)	ND (1.1)	ND (1.2)	-	ND (1.2)	ND (1.1)	-	ND (1)
Thallium	-	-	-	-	-	ND (5.6)	ND (5.6)	-	ND (5.2)	-	ND (6.3)	ND (5.6)	ND (5.8)	-	ND (5.9)	ND (5.3)	-	ND (5.2)
Vanadium	-	-	-	-	-	47	12	-	28	-	11	27	180	-	31	10	-	22
Zinc	-	-	-	-	-	130	190	-	80	-	64	87	1500	-	110	47	-	37
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	0.23	-	ND (0.3)	-	-	-	-	15	-	50	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.57)	ND (59)	-	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (0.044)	-	ND (51)	ND (0.045)	-	ND (0.055)	ND (0.042)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.57)	ND (59)	-	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (0.044)	-	ND (51)	ND (0.045)	-	ND (0.055)	ND (0.042)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.57)	ND (59)	-	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (0.044)	-	ND (51)	ND (0.045)	-	ND (0.055)	ND (0.042)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.57)	ND (59)	-	ND (1.2)	1.2	-	ND (0.04)	0.78	ND (4.8)	-	ND (0.044)	-	ND (51)	ND (0.045)	-	ND (0.055)	ND (0.042)
Aroclor-1248 (PCB-1248)	0.35	2	400	-	5.6	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (4.8)	-	1.7	-	ND (51)	1.1	-	ND (0.055)	ND (0.042)
Aroclor-1254 (PCB-1254)	0.38	ND (0.57)	640	-	9.2	ND (0.09)	-	ND (0.04)	ND (0.04)	14	-	ND (0.044)	-	470	ND (0.045)	-	0.078	0.16
Aroclor-1260 (PCB-1260)	0.17	ND (0.57)	73	-	1.3	0.23	-	ND (0.04)	0.16	15	-	0.34	-	260	0.41	-	0.082	0.17
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.57)	ND (59)	-	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (0.044)	-	ND (51)	ND (0.045)	-	ND (0.055)	ND (0.042)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.57)	ND (59)	-	ND (1.2)	ND (0.09)	-	ND (0.04)	ND (0.04)	ND (4.8)	-	ND (0.044)	-	ND (51)	ND (0.045)	-	ND (0.055)	ND (0.042)
SUM of PCBs	0.9	2	1113	-	16.1	1.43	-	ND	0.94	29	-	2.04	-	730	1.51	-	0.16	0.33
Other																		
Percent Solids, vol. (%wt)	89.9	84.9	84	90.4	80.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	165 >	165 >	-	165 >	-	165 >	165 >	165 >	-	165 >	165 >	-	165 >
Reactive Cyanide (mg/kg)	-	-	-	ND (4)	-	ND (50)	ND (50)	-	ND (50)	-	ND (50)	ND (50)	ND (50)	-	ND (50)	ND (50)	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	-	ND (20)	-	ND (100)	ND (100)	-	ND (100)	-	ND (100)	ND (100)	ND (100)	-	ND (100)	ND (100)	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	79	-	-	-	-	-	-	-	-	370	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	8.2	-	6.3	6.5	-	7.4	-	7.6	7	8.2	-	7	8.7	-	7.5
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.5)	ND (1.8)	-	ND (1)	-	2.6	ND (1.2)	1.7	-	ND (1.1)	2.2	-	ND (1)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	ND (1.5)	ND (1.8)	-	ND (1)	-	3.1	ND (1.2)	2	-	ND (1.1)	2.4	-	ND (1)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	1.7	5.9	-	1.1	-	10	ND (1.2)	4	-	ND (1.1)	1.7	-	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	ND (1.5)	ND (1.8)	-	3.1	-	43	ND (1.2)	1.6	-	ND (1.1)	ND (1.6)	-	ND (1)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	2.6	7.2	-	4.3	-	54	ND (1.2)	6	-	ND (1.1)	2.9	-	ND (1)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	N15	N15	N15	N16	N16	N16	N16A	N16A	N16A	N17	N17	N17	N17	N17	N17A	N17A	N9	N9
Sample Name	N15_S2_4.2-5.2	N15_S4_4.2-7.2	N15_S3_5.2-7.2	N16_S1_1.3-2.1	N16_S2_5.3-7.3	N16_S7_5.3-15.3	N16A_S2_3.3-5.3	N16A_S1_3.4-7.3	N16A_S3_5.3-7.3	N17_S1_0.5-0.9	N17_S2_1.1-3.1	N17_S5_1.1-6.1	N17_S3_3.1-5.1	N17_S4_5.1-7.1	N17a_S1_1-6	N17a_S2_6-11	N9_S1_1-4.9	N9_S2_5.4-6.4
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/18/2010	06/21/2010	06/21/2010	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	12/30/2010	12/30/2010	12/29/2010	12/30/2010
												134611-40			138884-34	138884-37		
		134155-15				134155-6						134611-54			138884-46	138884-47		
		134155-66		134117-46		134155-64				134611-36		134611-61			138884-57	138884-58	138861-37	
		134155-77		134117-58		134155-75		15A0732-01		134611-53		134787-6			139115-2	139115-3	138861-51	138884-17
Lab Sample ID	134155-13	134328-2	134155-14	134117-67	134155-1	134328-1	15A0732-02	15A0917-01	15B0081-01	134611-60	134611-37	134787-7	134611-38	134611-39	139115-5	139115-6	138861-56	139115-4
Sample Depth (bgs)	4.2 - 5.2 (ft)	4.2 - 7.2 (ft)	5.2 - 7.2 (ft)	1.3 - 2.1 (ft)	5.3 - 7.3 (ft)	5.3 - 15.3 (ft)	3.3 - 5.3 (ft)	3.4 - 7.3 (ft)	5.3 - 7.3 (ft)	0.5 - 0.9 (ft)	1.1 - 3.1 (ft)	1.1 - 6.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	1 - 6 (ft)	6 - 11 (ft)	1 - 4.9 (ft)	5.4 - 6.4 (ft)
Sample Elevation (ft BCB)	15 to 14	15 to 12	14 to 12	18 to 17.2	14 to 12	14 to 4	16 to 14	15.9 to 12	14 to 12	18.6 to 18.2	18 to 16	18 to 13	16 to 14	14 to 12	17.6 to 12.6	12.6 to 7.6	17.4 to 13.5	13 to 12
Soil Description	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL				FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0036)	-	ND (0.008)	-	6.3	-	-	8.7	0.047	ND (0.005)	-
1,2,4-Trichlorobenzene	-	1	-	ND (0.005)	-	ND (0.005)	-	ND (0.0036)	-	ND (0.008)	-	19	-	-	6.7	0.087	ND (0.005)	-
1,2,4-Trimethylbenzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	0.69	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
1,2-Dichlorobenzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	2.4	-	-	0.72	ND (0.005)	ND (0.005)	-
1,3,5-Trichlorobenzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	-	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
1,3-Dichlorobenzene	-	2.6	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	16	-	-	3.3	ND (0.005)	ND (0.005)	-
1,4-Dichlorobenzene	-	7.7	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	26	-	-	0.83	ND (0.005)	ND (0.005)	-
Benzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Chlorobenzene	-	30	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Chloroform (Trichloromethane)	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0036)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Cymene (p-Isopropyltoluene)	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	0.49	ND (0.005)	ND (0.005)	-
Ethylbenzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	0.86	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Isopropylbenzene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
m,p-Xylenes	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0036)	-	ND (0.008)	-	4.9	-	-	0.53	ND (0.005)	ND (0.005)	-
Methyl Tert Butyl Ether	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0036)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Methylene chloride	-	ND (2.1)	-	ND (0.05)	-	ND (0.05)	-	ND (0.0091)	-	ND (0.077)	-	ND (2.7)	-	-	ND (1.3)	ND (0.05)	ND (0.05)	-
Naphthalene	-	0.6	-	ND (0.005)	-	ND (0.005)	-	ND (0.0091)	-	ND (0.008)	-	ND (0.67)	-	-	1.4	0.006	ND (0.005)	-
o-Xylene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	1.9	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Styrene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Tetrachloroethene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	ND (0.32)	ND (0.005)	ND (0.005)	-
Toluene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	1.5	-	-	0.48	ND (0.005)	ND (0.005)	-
Trichloroethene	-	ND (0.52)	-	ND (0.005)	-	ND (0.005)	-	ND (0.0018)	-	ND (0.008)	-	ND (0.67)	-	-	0.45	ND (0.005)	ND (0.005)	-
SUM of Volatile Organic Compounds	-	41.9	-	ND	-	ND	-	ND	-	ND	-	79.55	-	-	23.6	0.14	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	1.4	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	4.6	-	-	8.4	12	ND (0.36)	-
1,2-Dichlorobenzene	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	0.53	ND (0.42)	ND (0.36)	-
1,3-Dichlorobenzene	-	1.1	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	0.78	-	-	0.76	ND (0.42)	ND (0.36)	-
1,4-Dichlorobenzene	-	3	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	1.1	-	-	0.92	0.52	ND (0.36)	-
2,4-Dimethylphenol	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	0.63	ND (0.42)	ND (0.36)	-
2-Chloronaphthalene	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
2-Methylnaphthalene	-	2.2	-	ND (0.37)	-	ND (0.42)	-	ND (0.74)	-	ND (0.36)	-	ND (0.37)	-	-	0.97	ND (0.42)	ND (0.36)	-
2-Methylphenol	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	0.45	ND (0.42)	ND (0.36)	-
3&4-Methylphenol	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	0.94	ND (0.42)	ND (0.36)	-
Acenaphthene	-	3.1	-	ND (0.37)	-	0.64	-	0.82	-	ND (0.36)	-	ND (0.37)	-	-	0.78	ND (0.42)	ND (0.36)	-
Acenaphthylene	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (0.74)	-	ND (0.36)	-	ND (0.37)	-	-	0.69	ND (0.42)	ND (0.36)	-
Acetophenone	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Aniline	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Anthracene	-	1.8	-	ND (0.37)	-	1.3	-	1.3	-	ND (0.36)	-	ND (0.37)	-	-	1.5	0.73	ND (0.36)	-
Benzo(a)anthracene	-	2.6	-	0.51	-	2.3	-	3.9	-	0.62	-	ND (0.37)	-	-	3.8	1.5	0.53	-
Benzo(a)pyrene	-	2.1	-	0.47	-	1.9	-	3.9	-	0.56	-	ND (0.37)	-	-	3.1	1.2	0.46	-
Benzo(b)fluoranthene	-	3.6	-	0.69	-	2.3	-	5.7	-	0.69	-	0.46	-	-	5.9	2	0.58	-
Benzo(g,h,i)perylene	-	ND (0.41)	-	ND (0.37)	-	1.2	-	2.8	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Benzo(k)fluoranthene	-	1.4	-	ND (0.37)	-	0.76	-	2.1	-	ND (0.36)	-	ND (0.37)	-	-	2.2	0.79	ND (0.36)	-
bis(2-Ethylhexyl)phthalate	-	2.2	-	ND (0.37)	-	ND (0.42)	-	1.6	-	ND (0.36)	-	ND (0.37)	-	-	0.73	0.51	ND (0.36)	-
Butyl benzylphthalate	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Carbazole	-	1.5	-	ND (0.37)	-	0.61	-	-	-	ND (0.36)	-	ND (0.37)	-	-	0.64	ND (0.42)	ND (0.36)	-
Chrysene	-	2.7	-	0.56	-	2.3	-	4.7	-	0.65	-	ND (0.37)	-	-	1.8	1.3	0.53	-
Dibenz(a,h)anthracene	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (0.74)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Dibenzofuran	-	2.1	-	ND (0.37)	-	0.55	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	0.73	0.44	ND (0.36)	-
Diethyl phthalate	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Di-n-butylphthalate	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Fluoranthene	-	7.8	-	1	-	4.8	-	8.3	-	1.4	-	0.53	-	-	6.1	3	1.1	-
Fluorene	-	2.7	-	ND (0.37)	-	0.8	-	0.74	-	ND (0.36)	-	ND (0.37)	-	-	0.88	ND (0.42)	ND (0.36)	-
Indeno(1,2,3-cd)pyrene	-	ND (0.41)	-	ND (0.37)	-	1.3	-	2.9	-	ND (0.36)	-	ND (0.37)	-	-	0.53	0.43	ND (0.36)	-
Naphthalene	-	8.1	-	ND (0.37)	-	0.67	-	1.4	-	ND (0.36)	-	ND (0.37)	-	-	2.6	0.8	ND (0.36)	-
N-Nitrosodiphenylamine	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	-	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Pentachlorophenol	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.73)	-	ND (0.75)	-	-	ND (1.4)	ND (1.6)	ND (1.4)	-
Phenanthrene	-	9.1	-	0.76	-	5.3	-	5.6	-	1.2	-	ND (0.37)	-	-	4.5	2.1	0.88	-
Phenol	-	ND (0.41)	-	ND (0.37)	-	ND (0.42)	-	ND (1.5)	-	ND (0.36)	-	ND (0.37)	-	-	ND (0.37)	ND (0.42)	ND (0.36)	-
Pyrene	-	5.1	-	0.91	-	4.5	-	8.3	-	1.1	-	0.47	-	-	4.8	2.3	1.1	-
SUM of Semi-Volatile Organic Compounds	-	63.6	-	4.9	-	31.23	-	54.06	-	6.22	-	7.94	-	-	54.88	29.62	5.18	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	2900	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	N15	N15	N15	N16	N16	N16	N16A	N16A	N16A	N17	N17	N17	N17	N17	N17A	N17A	N9	N9
Sample Name	N15_S2_4.2-5.2	N15_S4_4.2-7.2	N15_S3_5.2-7.2	N16_S1_1.3-2.1	N16_S2_5.3-7.3	N16_S7_5.3-15.3	N16A_S2_3.3-5.3	N16A_S1_3.4-7.3	N16A_S3_5.3-7.3	N17_S1_0.5-0.9	N17_S2_1.1-3.1	N17_S5_1.1-6.1	N17_S3_3.1-5.1	N17_S4_5.1-7.1	N17a_S1_1-6	N17a_S2_6-11	N9_S1_1-4.9	N9_S2_5.4-6.4
Sample Date	06/21/2010	06/21/2010	06/21/2010	06/18/2010	06/21/2010	06/21/2010	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010	07/08/2010	07/08/2010	07/08/2010	12/30/2010	12/30/2010	12/29/2010	12/30/2010
												134611-40			138884-34	138884-37		
		134155-15				134155-6						134611-54			138884-46	138884-47		
		134155-66		134117-46		134155-64				134611-36		134611-61			138884-57	138884-58	138861-37	
		134155-77		134117-58		134155-75		15A0732-01		134611-53		134787-6			139115-2	139115-3	138861-51	138884-17
Lab Sample ID	134155-13	134328-2	134155-14	134117-67	134155-1	134328-1	15A0732-02	15A0917-01	15B0081-01	134611-60	134611-37	134787-7	134611-38	134611-39	139115-5	139115-6	138861-56	139115-4
Sample Depth (bgs)	4.2 - 5.2 (ft)	4.2 - 7.2 (ft)	5.2 - 7.2 (ft)	1.3 - 2.1 (ft)	5.3 - 7.3 (ft)	5.3 - 15.3 (ft)	3.3 - 5.3 (ft)	3.4 - 7.3 (ft)	5.3 - 7.3 (ft)	0.5 - 0.9 (ft)	1.1 - 3.1 (ft)	1.1 - 6.1 (ft)	3.1 - 5.1 (ft)	5.1 - 7.1 (ft)	1 - 6 (ft)	6 - 11 (ft)	1 - 4.9 (ft)	5.4 - 6.4 (ft)
Sample Elevation (ft BCB)	15 to 14	15 to 12	14 to 12	18 to 17.2	14 to 12	14 to 4	16 to 14	15.9 to 12	14 to 12	18.6 to 18.2	18 to 16	18 to 13	16 to 14	14 to 12	17.6 to 12.6	12.6 to 7.6	17.4 to 13.5	13 to 12
Soil Description	FILL	FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL				FILL	FILL	FILL	FILL	FILL	FILL	HYDRAULIC FILL	FILL	FILL
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	410	-	150	-	ND (37)	-	-	-	160	-	290	-	-	350	160	110	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	440	-	170	-	37	-	-	-	170	-	300	-	-	410	180	130	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	720	-	120	-	ND (37)	-	-	-	180	-	470	-	-	270	150	82	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	240	-	ND (33)	-	ND (37)	-	-	-	ND (34)	-	ND (170)	-	-	42	43	ND (21)	-
Inorganic Compounds (mg/kg)																		
Antimony	-	1.8	-	ND (1.2)	-	49	-	-	-	2.8	-	8.5	-	-	25	11	2.8	-
Arsenic	-	ND (3.8)	-	ND (3.5)	-	ND (3.5)	-	8.5	-	ND (3.4)	-	ND (3.3)	-	-	5.6	6	ND (3.4)	-
Barium	-	42	-	14	-	64	-	520	-	34	-	31	-	-	90	82	58	-
Beryllium	-	ND (0.38)	-	ND (0.35)	-	ND (0.35)	-	-	-	ND (0.34)	-	ND (0.33)	-	-	ND (0.34)	ND (0.4)	ND (0.34)	-
Cadmium	-	2.3	-	ND (0.58)	-	2	-	20	-	ND (0.57)	-	ND (0.55)	-	-	1.6	2.1	0.92	-
Chromium	-	19	-	5	-	27	-	140	-	22	-	40	-	-	93	53	22	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (0.18)	-	-	-	ND (1)	-	-	ND (1)	ND (1)	-	-
Lead	-	160	-	12	-	1100	-	7400	-	56	-	250	-	-	1000	810	73	-
Mercury	-	0.39	-	0.17	-	0.79	-	3.2	-	0.19	-	0.18	-	-	1.9	0.82	0.35	-
Nickel	-	14	-	ND (5.8)	-	18	-	-	-	12	-	7.8	-	-	12	42	16	-
Selenium	-	ND (6.3)	-	ND (5.8)	-	6	-	ND (5.2)	-	ND (5.7)	-	ND (5.5)	-	-	ND (5.6)	ND (6.7)	ND (5.7)	-
Silver	-	ND (1.3)	-	ND (1.2)	-	ND (1.2)	-	ND (5.2)	-	ND (1.1)	-	ND (1.1)	-	-	ND (1.1)	ND (1.3)	ND (1.1)	-
Thallium	-	ND (6.3)	-	ND (5.8)	-	ND (5.9)	-	-	-	ND (5.7)	-	ND (5.5)	-	-	ND (5.6)	ND (6.7)	ND (5.7)	-
Vanadium	-	44	-	8.9	-	27	-	-	-	20	-	11	-	-	28	74	39	-
Zinc	-	210	-	22	-	480	-	-	-	67	-	31	-	-	160	440	79	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	0.59	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-
Lead	-	3.6	-	-	-	100	-	130	-	-	-	12	-	-	17	21	-	1.4
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (23)	-	ND (25)	ND (0.045)	ND (0.047)	-	ND (23)	-	ND (58)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
Aroclor-1221 (PCB-1221)	ND (23)	-	ND (25)	ND (0.045)	ND (0.047)	-	ND (23)	-	ND (58)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
Aroclor-1232 (PCB-1232)	ND (23)	-	ND (25)	ND (0.045)	ND (0.047)	-	ND (23)	-	ND (58)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
Aroclor-1242 (PCB-1242)	ND (23)	-	ND (25)	ND (0.045)	ND (0.047)	-	ND (23)	-	ND (58)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
Aroclor-1248 (PCB-1248)	200	-	ND (25)	0.4 p	ND (0.047)	-	150	-	230	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	0.11	ND (0.048)
Aroclor-1254 (PCB-1254)	ND (23)	-	68	ND (0.045)	0.96	-	200	-	420	0.3	160	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
Aroclor-1260 (PCB-1260)	65	-	97	0.14	0.61	-	130	-	75	0.22	120	-	240	42	-	-	0.054	ND (0.048)
Aroclor-1262 (PCB-1262)	ND (23)	-	ND (25)	ND (0.045)	ND (0.047)	-	ND (23)	-	ND (58)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
Aroclor-1268 (PCB-1268)	ND (23)	-	ND (25)	ND (0.045)	ND (0.047)	-	ND (23)	-	ND (58)	ND (0.045)	ND (46)	-	ND (100)	ND (5.1)	-	-	ND (0.044)	ND (0.048)
SUM of PCBs	265	-	165	0.54	1.57	-	480	-	725	0.52	280	-	240	42	-	-	0.164	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	86.7	92.1	85.5	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	165 >	-	165 >	-	165 >	-	-	-	165 >	-	165 >	-	-	165 >	165 >	165 >	-
Reactive Cyanide (mg/kg)	-	ND (50)	-	ND (50)	-	ND (50)	-	ND (3.9)	-	ND (50)	-	ND (50)	-	-	ND (50)	ND (50)	ND (50)	-
Reactive Sulfide (mg/kg)	-	ND (100)	-	ND (100)	-	ND (100)	-	ND (20)	-	ND (100)	-	ND (100)	-	-	ND (100)	ND (100)	ND (100)	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	150	-	-	-	440	-	-	410	450	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	9.5	-	7.4	-	7	-	8	-	7.3	-	8.1	-	-	7.1	7	8.3	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (2.8)	-	ND (1.1)	-	ND (1.4)	-	-	-	1.4	-	100	-	-	2.6	ND (1.3)	ND (1.1)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	ND (2.8)	-	ND (1.1)	-	ND (1.4)	-	-	-	1.5	-	110	-	-	2.9	ND (1.3)	ND (1.1)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	7.2	-	ND (1.1)	-	ND (1.4)	-	-	-	ND (1.3)	-	120	-	-	13	ND (1.3)	ND (1.1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	ND (2.8)	-	ND (1.1)	-	ND (1.4)	-	-	-	ND (1.3)	-	14	-	-	5.3	ND (1.3)	ND (1.1)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	16	-	ND (1.1)	-	ND (1.4)	-	-	-	1.8	-	170	-	-	19	ND (1.3)	ND (1.1)	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	N9	O10	O10	O10	O10	O13	O13	O13	O15	O15A	O15A	O16	O16A	O16A	O16A	O16A	O17	O17
Sample Name	N9_S3_5.4-10	O10_S1_1.5-6.5	O10_S2_1.5-2.5	O10_S3_2.5-4.5	O10_S4_4.5-6.5	O13_S1_0.4-4.5	O13_S2_4.5-7.5	O13_S3_4.5-6.5	O15_S1_0.4-5.0	O15A_S1_2-6.8	O15A_S2_2.8-4.8	O16_S1_0.4-7.0	O16A_S2_0.3-1	O16A_S3_1-3	O16A_S1_2.1-7	O16A_S4_3-5	O17_S1_0.5-1.3	O17_S2_1.8-3.8
Sample Date	12/30/2010	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/04/2010	06/04/2010	06/04/2010	06/21/2010	01/23/2015	01/23/2015	06/18/2010	01/22/2015	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010
	138884-43						133689-14		134155-20			134117-47 134117-59					134611-24	
	138884-54					133689-13	133689-52		134155-67			134117-68					134611-51	
	138884-65	15C0029-01				133689-51	133689-61		134155-78	15A0787-01		134331-3			15A0727-01		134611-58	
Lab Sample ID	139115-11	15C0337-01	15C0029-02	15C0029-03	15C0029-04	133689-60	133883-2	133689-15	134328-3	15A0973-01	15A0787-02	134331-7	15A0727-02	15A0727-03	15A0915-01	15A0727-04	134787-4	134611-25
Sample Depth (bgs)	5.4 - 10 (ft)	1.5 - 6.5 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0.4 - 4.5 (ft)	4.5 - 7.5 (ft)	4.5 - 6.5 (ft)	0.4 - 5 (ft)	2 - 6.8 (ft)	2.8 - 4.8 (ft)	0.4 - 7 (ft)	0.3 - 1 (ft)	1 - 3 (ft)	2.1 - 7 (ft)	3 - 5 (ft)	0.5 - 1.3 (ft)	1.8 - 3.8 (ft)
Sample Elevation (ft BCB)	13 to 8.4	17 to 12	17 to 16	16 to 14	14 to 12	18.2 to 14.1	14.1 to 11.1	14.1 to 12.1	18.5 to 13.9	16.8 to 12	16 to 14	18.6 to 12	18.7 to 18	18 to 16	16.9 to 12	16 to 14	18.3 to 17.5	17 to 15
Soil Description	FILL	-				FILL	FILL	FILL	FILL			FILL					FILL	PREVIOUS FILL
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0027)	-	ND (0.007)	-	-	ND (0.0031)	-	ND (0.006)	-
1,2,4-Trichlorobenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0027)	-	ND (0.007)	-	-	ND (0.0031)	-	ND (0.006)	-
1,2,4-Trimethylbenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
1,2-Dichlorobenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
1,3,5-Trichlorobenzene	ND (0.006)	-	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	-	-	ND (0.007)	-	-	-	-	ND (0.006)	-
1,3-Dichlorobenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
1,4-Dichlorobenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Benzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Chlorobenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Chloroform (Trichloromethane)	ND (0.006)	ND (0.0027)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0027)	-	ND (0.007)	-	-	ND (0.0031)	-	ND (0.006)	-
Cymene (p-Isopropyltoluene)	ND (0.006)	0.0023	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Ethylbenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Isopropylbenzene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
m,p-Xylenes	ND (0.006)	ND (0.0027)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0027)	-	ND (0.007)	-	-	ND (0.0031)	-	ND (0.006)	-
Methyl Tert Butyl Ether	ND (0.006)	ND (0.0027)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0027)	-	ND (0.007)	-	-	ND (0.0031)	-	ND (0.006)	-
Methylene chloride	ND (0.06)	ND (0.0068)	-	-	-	ND (0.076)	ND (0.051)	-	ND (0.063)	ND (0.0068)	-	ND (0.069)	-	-	ND (0.0077)	-	ND (0.059)	-
Naphthalene	ND (0.006)	ND (0.0027)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0068)	-	ND (0.007)	-	-	ND (0.0077)	-	ND (0.006)	-
o-Xylene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Styrene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Tetrachloroethene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Toluene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
Trichloroethene	ND (0.006)	ND (0.0014)	-	-	-	ND (0.008)	ND (0.005)	-	ND (0.006)	ND (0.0014)	-	ND (0.007)	-	-	ND (0.0015)	-	ND (0.006)	-
SUM of Volatile Organic Compounds	ND	0.0023	-	-	-	ND	ND	-	ND	ND	-	ND	-	-	ND	-	ND	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	0.7	-	-	ND (3.3)	-	ND (0.36)	-
1,2-Dichlorobenzene	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
1,3-Dichlorobenzene	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
1,4-Dichlorobenzene	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
2,4-Dimethylphenol	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
2-Chloronaphthalene	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
2-Methylnaphthalene	ND (0.38)	ND (0.21)	-	-	-	ND (0.35)	ND (0.36)	-	1.9	0.41	-	0.39	-	-	ND (1.7)	-	ND (0.36)	-
2-Methylphenol	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
3&4-Methylphenol	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Acenaphthene	ND (0.38)	0.22	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	0.84	-	1.5	-	-	ND (1.7)	-	ND (0.36)	-
Acenaphthylene	ND (0.38)	ND (0.21)	-	-	-	ND (0.35)	0.36	-	ND (0.36)	ND (0.19)	-	ND (0.37)	-	-	ND (1.7)	-	ND (0.36)	-
Acetophenone	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Aniline	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	0.62	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Anthracene	0.45	0.86	-	-	-	ND (0.35)	0.42	-	ND (0.36)	7.4	-	2.7	-	-	ND (1.7)	-	ND (0.36)	-
Benzo(a)anthracene	1	1.5	-	-	-	0.45	1.4	-	0.48	13	-	5.8	-	-	ND (1.7)	-	1	-
Benzo(a)pyrene	0.99	1.3	-	-	-	0.39	1.4	-	0.46	9.1	-	5.7	-	-	ND (1.7)	-	0.8	-
Benzo(b)fluoranthene	1.3	1.5	-	-	-	0.55	2.6	-	0.8	13	-	8.5	-	-	ND (1.7)	-	1.2	-
Benzo(g,h,i)perylene	ND (0.38)	0.76	-	-	-	ND (0.35)	0.58	-	ND (0.36)	4.5	-	1.2	-	-	ND (1.7)	-	ND (0.36)	-
Benzo(k)fluoranthene	0.44	0.62	-	-	-	ND (0.35)	0.96	-	ND (0.36)	4.3	-	3.2	-	-	ND (1.7)	-	0.43	-
bis(2-Ethylhexyl)phthalate	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	1.2	-	ND (0.36)	0.49	-	1.1	-	-	ND (3.3)	-	0.45	-
Butyl benzylphthalate	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Carbazole	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	-	-	1.3	-	-	-	-	ND (0.36)	-
Chrysene	1.1	1.4	-	-	-	0.44	1.3	-	0.64	12	-	5.6	-	-	ND (1.7)	-	0.94	-
Dibenz(a,h)anthracene	ND (0.38)	ND (0.21)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	1.7	-	0.52	-	-	ND (1.7)	-	ND (0.36)	-
Dibenzofuran	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	0.77	-	0.93	-	-	ND (3.3)	-	ND (0.36)	-
Diethyl phthalate	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Di-n-butylphthalate	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Fluoranthene	2	3.3	-	-	-	1.1	2.8	-	1.2	31	-	11	-	-	ND (1.7)	-	1.8	-
Fluorene	ND (0.38)	0.34	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	1.9	-	1.3	-	-	ND (1.7)	-	ND (0.36)	-
Indeno(1,2,3-cd)pyrene	0.39	0.94	-	-	-	ND (0.35)	0.78	-	ND (0.36)	5.1	-	1.6	-	-	ND (1.7)	-	ND (0.36)	-
Naphthalene	ND (0.38)	0.39	-	-	-	ND (0.35)	ND (0.36)	-	2.6	1.1	-	0.72	-	-	ND (1.7)	-	ND (0.36)	-
N-Nitrosodiphenylamine	ND (0.38)	-	-	-	-	ND (0.35)	ND (0.36)	-	2.3	-	-	ND (0.37)	-	-	-	-	ND (0.36)	-
Pentachlorophenol	ND (1.5)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.72)	-
Phenanthrene	1.6	2.6	-	-	-	0.86	1.8	-	1.4	22	-	9.3	-	-	ND (1.7)	-	0.49	-
Phenol	ND (0.38)	ND (0.41)	-	-	-	ND (0.35)	ND (0.36)	-	ND (0.36)	ND (0.39)	-	ND (0.37)	-	-	ND (3.3)	-	ND (0.36)	-
Pyrene	1.8	2.7	-	-	-	0.86	2.2	-	0.81	26	-	9.6	-	-	ND (1.7)	-	1.7	-
SUM of Semi-Volatile Organic Compounds	11.07	18.43	-	-	-	4.65	17.8	-	13.21	154.61	-	72.66	-	-	ND	-	8.81	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	270	-	-	-	-	-	-	-	790	-	-	-	-	1700	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	N9	O10	O10	O10	O10	O13	O13	O13	O15	O15A	O15A	O16	O16A	O16A	O16A	O16A	O17	O17
Sample Name	N9_S3_5.4-10	O10_S1_1.5-6.5	O10_S2_1.5-2.5	O10_S3_2.5-4.5	O10_S4_4.5-6.5	O13_S1_0.4-4.5	O13_S2_4.5-7.5	O13_S3_4.5-6.5	O15_S1_0.4-5.0	O15A_S1_2-6.8	O15A_S2_2.8-4.8	O16_S1_0.4-7.0	O16A_S2_0.3-1	O16A_S3_1-3	O16A_S1_2.1-7	O16A_S4_3-5	O17_S1_0.5-1.3	O17_S2_1.8-3.8
Sample Date	12/30/2010	03/02/2015	03/02/2015	03/02/2015	03/02/2015	06/04/2010	06/04/2010	06/04/2010	06/21/2010	01/23/2015	01/23/2015	06/18/2010	01/22/2015	01/22/2015	01/22/2015	01/22/2015	07/08/2010	07/08/2010
	138884-43						133689-14		134155-20			134117-47 134117-59					134611-24	
	138884-54					133689-13	133689-52		134155-67			134117-68					134611-51	
	138884-65	15C0029-01				133689-51	133689-61		134155-78	15A0787-01		134331-3			15A0727-01		134611-58	
Lab Sample ID	139115-11	15C0337-01	15C0029-02	15C0029-03	15C0029-04	133689-60	133883-2	133689-15	134328-3	15A0973-01	15A0787-02	134331-7	15A0727-02	15A0727-03	15A0915-01	15A0727-04	134787-4	134611-25
Sample Depth (bgs)	5.4 - 10 (ft)	1.5 - 6.5 (ft)	1.5 - 2.5 (ft)	2.5 - 4.5 (ft)	4.5 - 6.5 (ft)	0.4 - 4.5 (ft)	4.5 - 7.5 (ft)	4.5 - 6.5 (ft)	0.4 - 5 (ft)	2 - 6.8 (ft)	2.8 - 4.8 (ft)	0.4 - 7 (ft)	0.3 - 1 (ft)	1 - 3 (ft)	2.1 - 7 (ft)	3 - 5 (ft)	0.5 - 1.3 (ft)	1.8 - 3.8 (ft)
Sample Elevation (ft BCB)	13 to 8.4	17 to 12	17 to 16	16 to 14	14 to 12	18.2 to 14.1	14.1 to 11.1	14.1 to 12.1	18.5 to 13.9	16.8 to 12	16 to 14	18.6 to 12	18.7 to 18	18 to 16	16.9 to 12	16 to 14	18.3 to 17.5	17 to 15
Soil Description	FILL					FILL	FILL	FILL	FILL			FILL					FILL	PREVIOUS FILL
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	95	-	-	-	-	87	360	-	200	-	-	290	-	-	-	-	160	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	120	-	-	-	-	100	370	-	200	-	-	340	-	-	-	-	160	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	49	-	-	-	-	140	630	-	230	-	-	210	-	-	-	-	190	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (24)	-	-	-	-	ND (31)	360	-	ND (32)	-	-	46	-	-	-	-	ND (31)	-
Inorganic Compounds (mg/kg)																		
Antimony	6	-	-	-	-	2	6	-	29	-	-	18	-	-	-	-	4	-
Arsenic	4.7	4.2	-	-	-	ND (3.2)	ND (3.4)	-	4.4	ND (2.7)	-	ND (3.4)	-	-	ND (3)	-	ND (3.3)	-
Barium	50	66	-	-	-	75	61	-	46	71	-	170	-	-	43	-	34	-
Beryllium	ND (0.36)	-	-	-	-	ND (0.32)	ND (0.34)	-	ND (0.32)	-	-	ND (0.34)	-	-	-	-	ND (0.33)	-
Cadmium	1.6	3.8	-	-	-	0.83	2.5	-	1.7	5.3	-	6.2	-	-	1.1	-	ND (0.56)	-
Chromium	52	17	-	-	-	13	20	-	22	30	-	51	-	-	38	-	13	-
Chromium VI (Hexavalent)	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-
Lead	170	180	-	-	-	50	340	-	1700	400	-	2100	-	-	340	-	410	-
Mercury	0.98	0.36	-	-	-	0.14	0.32	-	0.048	0.19	-	2.2	-	-	0.084	-	0.85	-
Nickel	16	-	-	-	-	9.1	14	-	170	-	-	52	-	-	-	-	13	-
Selenium	ND (6)	ND (6)	-	-	-	ND (5.3)	5.6	-	ND (5.4)	ND (5.4)	-	7.4	-	-	ND (6)	-	ND (5.6)	-
Silver	ND (1.2)	ND (0.6)	-	-	-	ND (1.1)	ND (1.1)	-	ND (1.1)	ND (2.7)	-	ND (1.1)	-	-	ND (1.2)	-	ND (1.1)	-
Thallium	ND (6)	-	-	-	-	ND (5.3)	ND (5.6)	-	ND (5.4)	-	-	ND (5.6)	-	-	-	-	ND (5.6)	-
Vanadium	27	-	-	-	-	38	67	-	48	-	-	100	-	-	-	-	39	-
Zinc	160	-	-	-	-	66	84	-	510	-	-	720	-	-	-	-	110	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	0.34	-	-	-	-	1	-	58	0.15	-	25	-	-	29	-	42	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (2.2)	-	ND (0.11)	ND (22)	ND (0.11)	ND (43)	-	ND (46)	ND (4.3)	ND (4.4)
Aroclor-1221 (PCB-1221)	-	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (2.2)	-	ND (0.11)	ND (22)	ND (0.11)	ND (43)	-	ND (46)	ND (4.3)	ND (4.4)
Aroclor-1232 (PCB-1232)	-	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (2.2)	-	ND (0.11)	ND (22)	ND (0.11)	ND (43)	-	ND (46)	ND (4.3)	ND (4.4)
Aroclor-1242 (PCB-1242)	-	-	ND (0.12)	ND (0.12)	ND (0.12)	0.6	-	ND (0.04)	ND (2.2)	-	ND (0.11)	ND (22)	ND (0.11)	ND (43)	-	ND (46)	ND (4.3)	ND (4.4)
Aroclor-1248 (PCB-1248)	-	-	0.58	0.98	0.5	ND (0.04)	-	ND (0.04)	ND (2.2)	-	0.46	ND (22)	0.49	170	-	250	ND (4.3)	ND (4.4)
Aroclor-1254 (PCB-1254)	-	-	0.47	0.59	0.69	ND (0.04)	-	1.9	5.6	-	0.68	160	0.37	220	-	310	28	37
Aroclor-1260 (PCB-1260)	-	-	0.22	0.53	0.4	0.19	-	1.7	3.1	-	0.42	120	0.19	140	-	230	18	25
Aroclor-1262 (PCB-1262)	-	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (2.2)	-	ND (0.11)	ND (22)	ND (0.11)	ND (43)	-	ND (46)	ND (4.3)	ND (4.4)
Aroclor-1268 (PCB-1268)	-	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.04)	-	ND (0.04)	ND (2.2)	-	ND (0.11)	ND (22)	ND (0.11)	ND (43)	-	ND (46)	ND (4.3)	ND (4.4)
SUM of PCBs	-	-	1.27	2.1	1.59	0.79	-	3.6	8.7	-	1.56	280	1.05	530	-	790	46	62
Other																		
Percent Solids, vol. (%wt)	-	82.7	82.1	83.1	79.7	-	-	-	-	87.8	88.5	-	87.1	90.6	81.9	86.5	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	-	-	-	165 >	165 >	-	165 >	-	-	165 >	-	-	-	-	165 >	-
Reactive Cyanide (mg/kg)	ND (50)	ND (4)	-	-	-	ND (50)	ND (50)	-	ND (50)	ND (4)	-	ND (50)	-	-	ND (3.9)	-	ND (50)	-
Reactive Sulfide (mg/kg)	ND (100)	ND (20)	-	-	-	ND (100)	ND (100)	-	ND (100)	ND (20)	-	ND (100)	-	-	ND (20)	-	ND (100)	-
Oxidation reduction potential (mv)	540	81	-	-	-	-	-	-	-	110	-	440	-	-	120	-	-	-
Ignitability (Flashpoint) (PA)	-	0	-	-	-	-	-	-	-	0	-	-	-	-	0	-	-	-
pH Corrosivity (pH units)	7.1	8.6	-	-	-	9.2	7.1	-	7.9	11	-	7.7	-	-	8.3	-	7.2	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.3)	-	-	-	-	ND (1.3)	ND (1.3)	-	ND (1.2)	-	-	2.1	-	-	-	-	ND (1.4)	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.3)	-	-	-	-	ND (1.3)	ND (1.3)	-	ND (1.2)	-	-	2.3	-	-	-	-	ND (1.4)	-
MADEP C9-C10 AROMATIC HYDROCARBONS	ND (1.3)	-	-	-	-	2.2	3.4	-	ND (1.2)	-	-	1.7	-	-	-	-	ND (1.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.3)	-	-	-	-	4.1	5.6	-	ND (1.2)	-	-	ND (1.4)	-	-	-	-	ND (1.4)	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	ND (1.3)	-	-	-	-	6.4	9.2	-	ND (1.2)	-	-	3.3	-	-	-	-	1.6	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	O17	O17	P16	R11	R11A	R14	R14	R14	R14	R14	R14	R8	R9	R9	S13	S13	S13	S13
Sample Name	O17_S5_1.8-7.8	O17_S3_3.8-5.8	P16_S1_0.6-6.6	R11_S1_1-7	R11A_S1_0-10.1	R14_S1_1.5-7.5	R14_S2_7.5-9.5	R14_S7_7.5-17.5	R14_S3_9.5-11.5	R14_S4_11.5-13.5	R14_S5_13.5-15.5	R8_S1_0.0-1.0	R9_S1_0.4-5.2	R9_S3_0.4-1.2	S13_S1_0.4-5.5	S13_S7_5.5-16	S13_S2_6-8	S13_S3_8-10
Sample Date	07/08/2010	07/08/2010	06/16/2010	01/04/2011	02/12/2015	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	11/23/2015	02/07/2015	02/07/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010
	134611-28			138940-27				134015-39										
	134611-52		134015-40	138940-48		134015-38		134015-49							133923-20	133923-26		
	134611-59		134015-52	138940-58	15B0413-01	134015-48		134015-59							133923-66	133923-73		
Lab Sample ID	134787-5	134611-26	134015-62	139113-1	15B0559-01	134015-58	134015-1	134218-5	134015-2	134015-3	134015-4	15K1068-19	15B0270-01	15B0270-03	133923-77	133923-85	133923-21	133923-22
Sample Depth (bgs)	1.8 - 7.8 (ft)	3.8 - 5.8 (ft)	0.6 - 6.6 (ft)	1 - 7 (ft)	0 - 10.1 (ft)	1.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	0 - 1 (ft)	0.4 - 5.2 (ft)	0.4 - 1.2 (ft)	0.4 - 5.5 (ft)	5.5 - 16 (ft)	6 - 8 (ft)	8 - 10 (ft)
Sample Elevation (ft BCB)	17 to 11	15 to 13	18 to 12	16.2 to 10.2	17.3 to 7.2	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	17 to 16	16.8 to 12	16.8 to 16	16.7 to 11.6	11.6 to 1.1	11.1 to 9.1	9.1 to 7.1
Soil Description	PREVIOUS FILL	PREVIOUS FILL	FILL	FILL		FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL				FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0044)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0025)	-	ND (0.011)	ND (0.006)	-	-
1,2,4-Trichlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0044)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0025)	-	ND (0.011)	ND (0.006)	-	-
1,2,4-Trimethylbenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
1,2-Dichlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
1,3,5-Trichlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	-	ND (0.005)	-	ND (0.008)	-	-	-	-	-	-	ND (0.011)	ND (0.006)	-	-
1,3-Dichlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
1,4-Dichlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Benzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Chlorobenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Chloroform (Trichloromethane)	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0044)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0025)	-	ND (0.011)	ND (0.006)	-	-
Cymene (p-Isopropyltoluene)	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Ethylbenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Isopropylbenzene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
m,p-Xylenes	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0044)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0025)	-	ND (0.011)	ND (0.006)	-	-
Methyl Tert Butyl Ether	ND (0.005)	-	0.018	ND (0.006)	ND (0.0044)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0025)	-	ND (0.011)	ND (0.006)	-	-
Methylene chloride	ND (0.05)	-	ND (0.065)	ND (0.062)	ND (0.011)	ND (0.055)	-	ND (0.08)	-	-	-	-	ND (0.0063)	-	ND (0.11)	ND (0.056)	-	-
Naphthalene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.011)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0063)	-	ND (0.011)	ND (0.006)	-	-
o-Xylene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Styrene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Tetrachloroethene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Toluene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
Trichloroethene	ND (0.005)	-	ND (0.006)	ND (0.006)	ND (0.0022)	ND (0.005)	-	ND (0.008)	-	-	-	-	ND (0.0013)	-	ND (0.011)	ND (0.006)	-	-
SUM of Volatile Organic Compounds	ND	-	0.018	ND	ND	ND	-	ND	-	-	-	-	ND	-	ND	ND	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
1,2-Dichlorobenzene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
1,3-Dichlorobenzene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
1,4-Dichlorobenzene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
2,4-Dimethylphenol	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
2-Chloronaphthalene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
2-Methylnaphthalene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
2-Methylphenol	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
3&4-Methylphenol	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Acenaphthene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
Acenaphthylene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
Acetophenone	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Aniline	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Anthracene	ND (0.35)	-	ND (0.34)	ND (1.9)	0.29	ND (0.36)	-	1	-	-	-	-	0.19	-	ND (0.35)	ND (0.41)	-	-
Benzo(a)anthracene	ND (0.35)	-	ND (0.34)	ND (1.9)	0.51	ND (0.36)	-	1.4	-	-	-	-	0.37	-	ND (0.35)	ND (0.41)	-	-
Benzo(a)pyrene	ND (0.35)	-	ND (0.34)	ND (1.9)	0.45	ND (0.36)	-	1.2	-	-	-	-	0.33	-	ND (0.35)	ND (0.41)	-	-
Benzo(b)fluoranthene	ND (0.35)	-	0.35	ND (1.9)	0.51	ND (0.36)	-	1.2	-	-	-	-	0.44	-	ND (0.35)	ND (0.41)	-	-
Benzo(g,h,i)perylene	ND (0.35)	-	ND (0.34)	ND (1.9)	0.26	ND (0.36)	-	0.59	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
Benzo(k)fluoranthene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	0.48	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
bis(2-Ethylhexyl)phthalate	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Butyl benzylphthalate	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Carbazole	ND (0.35)	-	ND (0.34)	ND (1.9)	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	ND (0.35)	ND (0.41)	-	-
Chrysene	ND (0.35)	-	ND (0.34)	ND (1.9)	0.51	ND (0.36)	-	1.4	-	-	-	-	0.44	-	ND (0.35)	ND (0.41)	-	-
Dibenz(a,h)anthracene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
Dibenzofuran	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Diethyl phthalate	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Di-n-butylphthalate	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Fluoranthene	ND (0.35)	-	0.64	ND (1.9)	1.1	ND (0.36)	-	2.3	-	-	-	-	0.88	-	ND (0.35)	ND (0.41)	-	-
Fluorene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
Indeno(1,2,3-cd)pyrene	ND (0.35)	-	ND (0.34)	ND (1.9)	0.33	ND (0.36)	-	0.7	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
Naphthalene	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.21)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.18)	-	ND (0.35)	ND (0.41)	-	-
N-Nitrosodiphenylamine	ND (0.35)	-	ND (0.34)	ND (1.9)	-	ND (0.36)	-	ND (0.43)	-	-	-	-	-	-	ND (0.35)	ND (0.41)	-	-
Pentachlorophenol	ND (0.71)	-	ND (0.34)	ND (7.6)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Phenanthrene	ND (0.35)	-	0.59	ND (1.9)	0.8	ND (0.36)	-	1.7	-	-	-	-	0.85	-	ND (0.35)	ND (0.41)	-	-
Phenol	ND (0.35)	-	ND (0.34)	ND (1.9)	ND (0.42)	ND (0.36)	-	ND (0.43)	-	-	-	-	ND (0.36)	-	ND (0.35)	ND (0.41)	-	-
Pyrene	ND (0.35)	-	0.55	ND (1.9)	1.2	ND (0.36)	-	2.2	-	-	-	-	0.97	-	ND (0.35)	ND (0.41)	-	-
SUM of Semi-Volatile Organic Compounds	ND	-	2.13	ND	5.96	ND	-	14.17	-	-	-	-	4.47	-	ND	ND	-	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	640	-	-	-	-	-	-	-	600	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	O17	O17	P16	R11	R11A	R14	R14	R14	R14	R14	R14	R8	R9	R9	S13	S13	S13	S13
Sample Name	O17_S5_1.8-7.8	O17_S3_3.8-5.8	P16_S1_0.6-6.6	R11_S1_1-7	R11A_S1_0-10.1	R14_S1_1.5-7.5	R14_S2_7.5-9.5	R14_S7_7.5-17.5	R14_S3_9.5-11.5	R14_S4_11.5-13.5	R14_S5_13.5-15.5	R8_S1_0.0-1.0	R9_S1_0.4-5.2	R9_S3_0.4-1.2	S13_S1_0.4-5.5	S13_S7_5.5-16	S13_S2_6-8	S13_S3_8-10
Sample Date	07/08/2010	07/08/2010	06/16/2010	01/04/2011	02/12/2015	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	06/16/2010	11/23/2015	02/07/2015	02/07/2015	06/14/2010	06/14/2010	06/14/2010	06/14/2010
Lab Sample ID	134611-28 134611-52 134611-59 134787-5	134611-26	134015-40 134015-52 134015-62	138940-27 138940-48 138940-58 139113-1	15B0413-01 15B0559-01	134015-38 134015-48 134015-58	134015-1	134015-39 134015-49 134015-59 134218-5	134015-2	134015-3	134015-4	15K1068-19	15B0270-01	15B0270-03	133923-20 133923-66 133923-77	133923-26 133923-73 133923-85	133923-21	133923-22
Sample Depth (bgs)	1.8 - 7.8 (ft)	3.8 - 5.8 (ft)	0.6 - 6.6 (ft)	1 - 7 (ft)	0 - 10.1 (ft)	1.5 - 7.5 (ft)	7.5 - 9.5 (ft)	7.5 - 17.5 (ft)	9.5 - 11.5 (ft)	11.5 - 13.5 (ft)	13.5 - 15.5 (ft)	0 - 1 (ft)	0.4 - 5.2 (ft)	0.4 - 1.2 (ft)	0.4 - 5.5 (ft)	5.5 - 16 (ft)	6 - 8 (ft)	8 - 10 (ft)
Sample Elevation (ft BCB)	17 to 11	15 to 13	18 to 12	16.2 to 10.2	17.3 to 7.2	16 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	17 to 16	16.8 to 12	16.8 to 16	16.7 to 11.6	11.6 to 1.1	11.1 to 9.1	9.1 to 7.1
Soil Description	PREVIOUS FILL	PREVIOUS FILL	FILL	FILL		FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL				FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	170	-	71	920	-	380	-	ND (38)	-	-	-	-	-	-	47	47	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	180	-	78	940	-	390	-	ND (38)	-	-	-	-	-	-	56	53	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	230	-	63	1500	-	490	-	ND (38)	-	-	-	-	-	-	46	52	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	ND (31)	-	ND (30)	920	-	250	-	ND (38)	-	-	-	-	-	-	ND (32)	ND (37)	-	-
Inorganic Compounds (mg/kg)																		
Antimony	7.4	-	1.3	1100	-	1.6	-	2.5	-	-	-	-	-	-	ND (1.1)	ND (1.3)	-	-
Arsenic	ND (3.2)	-	ND (3)	36	3.4	ND (3.3)	-	ND (3.2)	-	-	-	-	3.3	-	ND (3.3)	12	-	-
Barium	59	-	37	44	39	28	-	87	-	-	-	-	37	-	84	36	-	-
Beryllium	ND (0.32)	-	ND (0.3)	ND (0.36)	-	ND (0.33)	-	ND (0.32)	-	-	-	-	-	-	ND (0.33)	ND (0.4)	-	-
Cadmium	ND (0.54)	-	1.2	2.1	ND (0.31)	0.75	-	1.4	-	-	-	-	0.54	-	0.83	1.5	-	-
Chromium	13	-	15	14	22	25	-	43	-	-	-	-	13	-	9.9	8.6	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-
Lead	300	-	75	26000	110	32	-	13	-	-	-	-	64	-	93	28	-	-
Mercury	0.61	-	0.054	0.4	0.74	0.054	-	0.039	-	-	-	-	0.12	-	ND (0.018)	ND (0.022)	-	-
Nickel	10	-	19	15	-	13	-	28	-	-	-	-	-	-	6.2	9.8	-	-
Selenium	ND (5.4)	-	ND (5)	ND (6)	ND (6.1)	ND (5.5)	-	ND (7)	-	-	-	-	ND (5.4)	-	ND (5.5)	ND (6.6)	-	-
Silver	ND (1.1)	-	ND (1)	ND (1.2)	ND (0.61)	ND (1.1)	-	ND (1.1)	-	-	-	-	ND (0.54)	-	ND (1.1)	ND (1.3)	-	-
Thallium	ND (5.4)	-	ND (5)	ND (6)	-	ND (5.5)	-	ND (5.3)	-	-	-	-	-	-	ND (5.5)	ND (6.6)	-	-
Vanadium	21	-	22	28	-	23	-	50	-	-	-	-	-	-	13	18	-	-
Zinc	120	-	83	160	-	74	-	65	-	-	-	-	-	-	50	40	-	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	15	-	-	0.6	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	-	ND (0.047)	ND (0.04)	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (11)	-	ND (21)	ND (0.042)	-	ND (0.053)	ND (0.054)
Aroclor-1221 (PCB-1221)	-	ND (0.047)	ND (0.04)	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (11)	-	ND (21)	ND (0.042)	-	ND (0.053)	ND (0.054)
Aroclor-1232 (PCB-1232)	-	ND (0.047)	ND (0.04)	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (11)	-	ND (21)	ND (0.042)	-	ND (0.053)	ND (0.054)
Aroclor-1242 (PCB-1242)	-	ND (0.047)	ND (0.04)	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (11)	-	ND (21)	ND (0.042)	-	ND (0.053)	ND (0.054)
Aroclor-1248 (PCB-1248)	-	ND (0.047)	0.41	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	53	-	59	ND (0.042)	-	ND (0.053)	ND (0.054)
Aroclor-1254 (PCB-1254)	-	0.47	ND (0.04)	30	-	2.1	0.92	-	ND (0.051)	ND (0.068)	ND (0.052)	39	-	67	5.6	-	ND (0.053)	ND (0.054)
Aroclor-1260 (PCB-1260)	-	0.38	0.2	ND (4.8)	-	1	0.49	-	ND (0.051)	ND (0.068)	ND (0.052)	16	-	160	1.8	-	ND (0.053)	ND (0.054)
Aroclor-1262 (PCB-1262)	-	ND (0.047)	ND (0.04)	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (11)	-	ND (21)	ND (0.042)	-	ND (0.053)	ND (0.054)
Aroclor-1268 (PCB-1268)	-	ND (0.047)	ND (0.04)	ND (4.8)	-	ND (0.043)	ND (0.053)	-	ND (0.051)	ND (0.068)	ND (0.052)	ND (11)	-	ND (21)	ND (0.042)	-	ND (0.053)	ND (0.054)
SUM of PCBs	-	0.85	0.61	30	-	3.1	1.41	-	ND	ND	ND	108	-	286	7.4	-	ND	ND
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	80.4	-	-	-	-	-	-	90.8	93.9	93.9	-	-	-	-
Ignitability (Flashpoint) (Deg F)	165 >	-	165 >	165 >	-	165 >	-	165 >	-	-	-	-	-	-	165 >	165 >	-	-
Reactive Cyanide (mg/kg)	ND (50)	-	ND (50)	ND (50)	ND (4)	ND (50)	-	ND (50)	-	-	-	-	ND (4)	-	ND (50)	ND (50)	-	-
Reactive Sulfide (mg/kg)	ND (100)	-	ND (100)	ND (100)	ND (20)	ND (100)	-	ND (100)	-	-	-	-	ND (20)	-	ND (100)	ND (100)	-	-
Oxidation reduction potential (mv)	-	-	-	-	39	-	-	-	-	-	-	-	75	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	0	-	-	-	-	-	-	-	0	-	-	-	-	-
pH Corrosivity (pH units)	7.2	-	7.7	6.8	7.3	7.9	-	7.9	-	-	-	-	8.2	-	6.7	7	-	-
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	ND (1.4)	-	ND (1.5)	ND (1)	-	2.9	-	ND (1.6)	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	1.5	-	ND (1.5)	ND (1)	-	3.3	-	ND (1.6)	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	1.5	-	ND (1.5)	3.6	-	7	-	4	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	1.5	-	ND (1.5)	2.3	-	4.2	-	3.6	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	3.2	-	ND (1.5)	6	-	12	-	7.8	-	-	-	-	-	-	ND (1.1)	ND (1)	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	S13	S13	S13	S14	S14	S14	S14	S14	S14	S14A	S14A	S14A	S14A	S15	S15	S15	S15
Sample Name	S13_S4_10-12	S13_S5_12-14	S13_S6_14-16	S14_S1_0-7.2	S14_S2_7.2-9.2	S14_S7_7.2-17.2	S14_S3_9.2-11.2	S14_S4_11.2-13.2	S14_S5_13.2-15.2	S14a_S1_1.0-5.0	S14a_S2_5-10	S14A_S3_10-15	S14A_S4_15-20	S15_S1_0-6.3	S15_S2_6.3-7.3	S15_S3_7.3-9.3	S15_S4_9.3-11.3
Sample Date	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	01/03/2011	01/03/2011	01/04/2011	01/04/2011	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	133923-23	133923-24	133923-25	133973-34 133973-51 133973-58	133973-35	133973-40 133973-52 133973-59 134179-2	133973-36	133973-37	133973-38	138916-18 138916-35 138916-47	138916-19 138916-36 139127-2 139127-9	138940-33 138940-44 138940-54 139113-6	138940-34 138940-45 138940-55 139113-7	133875-52 133875-64 133875-73 134056-2	133875-29	133875-30	133875-31
Sample Depth (bgs)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	0 - 7.2 (ft)	7.2 - 9.2 (ft)	7.2 - 17.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	1 - 5 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	0 - 6.3 (ft)	6.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)
Sample Elevation (ft BCB)	7.1 to 5.1	5.1 to 3.1	3.1 to 1.1	17.2 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	16.2 to 12.2	12.2 to 7.2	7.2 to 2.2	2.2 to -2.8	17.3 to 11	11 to 10	10 to 8	8 to 6
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																	
1,2,3-Trichlorobenzene	-	-	-	0.4	-	0.023	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
1,2,4-Trichlorobenzene	-	-	-	1.8	-	0.17	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
1,3,5-Trichlorobenzene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
1,3-Dichlorobenzene	-	-	-	1.6	-	0.039	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
1,4-Dichlorobenzene	-	-	-	2	-	0.042	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Benzene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Chlorobenzene	-	-	-	10	-	0.06	-	-	-	ND (0.005)	ND (0.007)	0.012	ND (0.006)	ND (0.29)	-	-	-
Chloroform (Trichloromethane)	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Ethylbenzene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Isopropylbenzene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
m,p-Xylenes	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Methyl Tert Butyl Ether	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Methylene chloride	-	-	-	ND (1)	-	ND (0.072)	-	-	-	ND (0.051)	ND (0.067)	ND (0.058)	ND (0.061)	ND (1.2)	-	-	-
Naphthalene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	0.52	-	-	-
o-Xylene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Styrene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Tetrachloroethene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Toluene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
Trichloroethene	-	-	-	ND (0.25)	-	ND (0.007)	-	-	-	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)	ND (0.29)	-	-	-
SUM of Volatile Organic Compounds	-	-	-	15.8	-	0.334	-	-	-	ND	ND	0.012	ND	0.52	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
1,2,4-Trichlorobenzene	-	-	-	2.2	-	16	-	-	-	ND (0.36)	0.95	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
1,2-Dichlorobenzene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
1,3-Dichlorobenzene	-	-	-	1	-	ND (0.79)	-	-	-	ND (0.36)	0.49	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
1,4-Dichlorobenzene	-	-	-	1.3	-	ND (0.79)	-	-	-	ND (0.36)	0.85	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
2,4-Dimethylphenol	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
2-Chloronaphthalene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
2-Methylnaphthalene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
2-Methylphenol	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
3&4-Methylphenol	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Acenaphthene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Acenaphthylene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Acetophenone	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Aniline	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Anthracene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	0.45	ND (0.46)	ND (0.72)	-	-	-
Benzo(a)anthracene	-	-	-	0.64	-	ND (0.79)	-	-	-	ND (0.36)	0.57	0.6	ND (0.46)	ND (0.72)	-	-	-
Benzo(a)pyrene	-	-	-	0.6	-	ND (0.79)	-	-	-	ND (0.36)	0.45	0.45	ND (0.46)	ND (0.72)	-	-	-
Benzo(b)fluoranthene	-	-	-	0.72	-	ND (0.79)	-	-	-	ND (0.36)	0.54	0.54	ND (0.46)	ND (0.72)	-	-	-
Benzo(g,h,i)perylene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Benzo(k)fluoranthene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	0.47	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Butyl benzylphthalate	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Carbazole	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Chrysene	-	-	-	0.61	-	ND (0.79)	-	-	-	ND (0.36)	0.5	0.52	ND (0.46)	ND (0.72)	-	-	-
Dibenz(a,h)anthracene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Dibenzofuran	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Diethyl phthalate	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Di-n-butylphthalate	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Fluoranthene	-	-	-	1.5	-	ND (0.79)	-	-	-	ND (0.36)	1.2	1.3	1	1	-	-	-
Fluorene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Naphthalene	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
N-Nitrosodiphenylamine	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Pentachlorophenol	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (1.4)	ND (1.7)	ND (1.7)	ND (1.8)	ND (0.72)	-	-	-
Phenanthrene	-	-	-	0.88	-	ND (0.79)	-	-	-	ND (0.36)	1.1	1	1.4	0.84	-	-	-
Phenol	-	-	-	ND (0.4)	-	ND (0.79)	-	-	-	ND (0.36)	ND (0.43)	ND (0.44)	ND (0.46)	ND (0.72)	-	-	-
Pyrene	-	-	-	1.3	-	ND (0.79)	-	-	-	ND (0.36)	0.97	0.93	0.77	0.86	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	-	11.22	-	16	-	-	-	ND	7.62	5.79	3.17	2.7	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	S13	S13	S13	S14	S14	S14	S14	S14	S14	S14A	S14A	S14A	S14A	S15	S15	S15	S15
Sample Name	S13_S4_10-12	S13_S5_12-14	S13_S6_14-16	S14_S1_0-7.2	S14_S2_7.2-9.2	S14_S7_7.2-17.2	S14_S3_9.2-11.2	S14_S4_11.2-13.2	S14_S5_13.2-15.2	S14a_S1_1.0-5.0	S14a_S2_5-10	S14A_S3_10-15	S14A_S4_15-20	S15_S1_0-6.3	S15_S2_6.3-7.3	S15_S3_7.3-9.3	S15_S4_9.3-11.3
Sample Date	06/14/2010	06/14/2010	06/14/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	06/15/2010	01/03/2011	01/03/2011	01/04/2011	01/04/2011	06/11/2010	06/11/2010	06/11/2010	06/11/2010
Lab Sample ID	133923-23	133923-24	133923-25	133973-34 133973-51 133973-58	133973-35	133973-40 133973-52 133973-59 134179-2	133973-36	133973-37	133973-38	138916-18 138916-35 138916-47	138916-19 138916-36 138916-48 139127-2 139127-9	138940-33 138940-44 138940-54 139113-6	138940-34 138940-45 138940-55 139113-7	133875-52 133875-64 133875-73 134056-2	133875-29	133875-30	133875-31
Sample Depth (bgs)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	0 - 7.2 (ft)	7.2 - 9.2 (ft)	7.2 - 17.2 (ft)	9.2 - 11.2 (ft)	11.2 - 13.2 (ft)	13.2 - 15.2 (ft)	1 - 5 (ft)	5 - 10 (ft)	10 - 15 (ft)	15 - 20 (ft)	0 - 6.3 (ft)	6.3 - 7.3 (ft)	7.3 - 9.3 (ft)	9.3 - 11.3 (ft)
Sample Elevation (ft BCB)	7.1 to 5.1	5.1 to 3.1	3.1 to 1.1	17.2 to 10	10 to 8	10 to 0	8 to 6	6 to 4	4 to 2	16.2 to 12.2	12.2 to 7.2	7.2 to 2.2	2.2 to -2.8	17.3 to 11	11 to 10	10 to 8	8 to 6
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
EPH (mg/kg)																	
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	79	-	320	-	-	-	91	57	48	43	570	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	87	-	340	-	-	-	95	64	56	48	580	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	100	-	180	-	-	-	66	32	38	ND (28)	950	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	ND (38)	-	40	-	-	-	ND (22)	ND (26)	ND (26)	ND (28)	530	-	-	-
Inorganic Compounds (mg/kg)																	
Antimony	-	-	-	ND (1.3)	-	2	-	-	-	1.7	4.9	3.4	4.7	9	-	-	-
Arsenic	-	-	-	ND (3.9)	-	ND (3.7)	-	-	-	5.1	7.4	ND (4.2)	ND (4.2)	ND (3.4)	-	-	-
Barium	-	-	-	30	-	58	-	-	-	35	83	71	80	37	-	-	-
Beryllium	-	-	-	ND (0.39)	-	ND (0.37)	-	-	-	ND (0.33)	ND (0.39)	ND (0.42)	ND (0.42)	ND (0.34)	-	-	-
Cadmium	-	-	-	0.69	-	1.2	-	-	-	0.9	14	1.4	1.6	1.1	-	-	-
Chromium	-	-	-	12	-	35	-	-	-	6.6	32	38	44	15	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	ND (1)	-	-	-	-	ND (1)	ND (1)	ND (1)	-	-	-	-
Lead	-	-	-	87	-	32	-	-	-	28	160	52	37	830	-	-	-
Mercury	-	-	-	0.55	-	0.14	-	-	-	0.062	0.73	0.44	0.15	0.31	-	-	-
Nickel	-	-	-	12	-	23	-	-	-	11	24	26	29	16	-	-	-
Selenium	-	-	-	ND (6.6)	-	ND (6.1)	-	-	-	ND (5.5)	ND (6.5)	ND (7)	ND (7)	ND (5.7)	-	-	-
Silver	-	-	-	ND (1.3)	-	ND (1.2)	-	-	-	ND (1.1)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.1)	-	-	-
Thallium	-	-	-	ND (6.6)	-	ND (6.1)	-	-	-	ND (5.5)	ND (6.5)	ND (7)	ND (7)	ND (5.7)	-	-	-
Vanadium	-	-	-	16	-	43	-	-	-	20	59	57	67	24	-	-	-
Zinc	-	-	-	110	-	65	-	-	-	36	1800	97	83	89	-	-	-
TCLP Inorganic Compounds (mg/L)																	
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	0.6	-	-	14	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	3.9	ND (0.047)	ND (0.047)	0.089
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.05)	ND (0.053)	21	6.2	-	3900	0.88	610	-	-	-	-	3.5	ND (0.047)	ND (0.047)	0.055
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.05)	ND (0.053)	ND (5)	ND (1.1)	-	ND (540)	ND (0.054)	ND (510)	-	-	-	-	ND (0.044)	ND (0.047)	ND (0.047)	ND (0.054)
SUM of PCBs	ND	ND	ND	21	6.2	-	3900	0.88	610	-	-	-	-	7.4	ND	ND	0.144
Other																	
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	-	165 >	-	165 >	-	-	-	165 >	165 >	165 >	165 >	165 >	-	-	-
Reactive Cyanide (mg/kg)	-	-	-	ND (50)	-	ND (50)	-	-	-	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	-	-	-
Reactive Sulfide (mg/kg)	-	-	-	ND (100)	-	ND (100)	-	-	-	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	-	-
Oxidation reduction potential (mv)	-	-	-	-	-	-	-	-	-	-	410	460	410	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	-	7	-	8.3	-	-	-	7.1	7	6.8	7.1	7.4	-	-	-
VPH (mg/kg)																	
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	ND (1.6)	-	ND (1.4)	-	-	-	ND (1.3)	ND (1.7)	ND (1.6)	ND (1.8)	ND (1.1)	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	ND (1.6)	-	ND (1.4)	-	-	-	ND (1.3)	ND (1.7)	ND (1.6)	ND (1.8)	1.2	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	13	-	3.4	-	-	-	ND (1.3)	ND (1.7)	ND (1.6)	ND (1.8)	7.8	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	7.7	-	ND (1.4)	-	-	-	1.5	ND (1.7)	ND (1.6)	ND (1.8)	5.6	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	21	-	3.3	-	-	-	2.4	2.9	ND (1.6)	ND (1.8)	14	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	S15	S15	S15	S15A	S15A	S15A	S15A	S15A	S16	T14	T14	T14	T14	T14	T14	T14	T14
Sample Name	S15_S5_11.3-13.3	S15_S6_13.3-15.3	S15_S8_6.3-16.3	S15A_S1_0.3-5.3	S15A_S2_0.3-1.3	S15A_S3_1.3-3.3	S15A_S4_3.3-5.3	S15A_S5_5.3-7.3	S16_S1_0.0-1.4	T14_S1_1-2.3	T14_S2_1-5	T14_S3_3.5-5.0	T14_S4_5-7	T14_S7_5-10	T14_S5_7-9	T14_S6_9-11	T14_S9_10-15
Sample Date	06/11/2010	06/11/2010	06/14/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	11/25/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
Lab Sample ID	133875-32	133875-33	133923-10 133923-64 133923-75 134174-5	15B0269-01 15E0555-01	15B0269-02	15B0269-03	15B0624-01	15B0624-02	15K1254-01	138653-18	138653-48 138653-58 138653-69 138803-1	138653-19	138653-20	138653-49 138653-59 138653-70 138803-4	138653-21	138653-22	138653-50 138653-60 138653-71 138803-5
Sample Depth (bgs)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	6.3 - 16.3 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.4 (ft)	1 - 2.3 (ft)	1 - 5 (ft)	3.5 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	11 to 1	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14.7	16 to 12	13.5 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL							FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
Volatile Organic Compounds (mg/kg)																	
1,2,3-Trichlorobenzene	-	-	ND (0.007)	ND (0.0041)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
1,2,4-Trichlorobenzene	-	-	ND (0.007)	ND (0.0041)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
1,2,4-Trimethylbenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
1,2-Dichlorobenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
1,3,5-Trichlorobenzene	-	-	ND (0.007)	-	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
1,3-Dichlorobenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
1,4-Dichlorobenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Benzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Chlorobenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Chloroform (Trichloromethane)	-	-	ND (0.007)	ND (0.0041)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Cymene (p-Isopropyltoluene)	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Ethylbenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Isopropylbenzene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
m,p-Xylenes	-	-	ND (0.007)	ND (0.0041)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Methyl Tert Butyl Ether	-	-	ND (0.007)	ND (0.0041)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Methylene chloride	-	-	ND (0.069)	ND (0.01)	-	-	-	-	-	-	ND (0.064)	-	-	ND (0.061)	-	-	ND (0.082)
Naphthalene	-	-	ND (0.007)	ND (0.01)	-	-	-	-	-	-	0.007	-	-	ND (0.006)	-	-	ND (0.008)
o-Xylene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Styrene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Tetrachloroethene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Toluene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
Trichloroethene	-	-	ND (0.007)	ND (0.0021)	-	-	-	-	-	-	ND (0.006)	-	-	ND (0.006)	-	-	ND (0.008)
SUM of Volatile Organic Compounds	-	-	ND	ND	-	-	-	-	-	-	0.007	-	-	ND	-	-	ND
Semi-Volatile Organic Compounds (mg/kg)																	
1,2,4-Trichlorobenzene	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
1,2-Dichlorobenzene	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
1,3-Dichlorobenzene	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
1,4-Dichlorobenzene	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
2,4-Dimethylphenol	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
2-Chloronaphthalene	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
2-Methylnaphthalene	-	-	ND (0.43)	ND (0.37)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
2-Methylphenol	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
3&4-Methylphenol	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Acenaphthene	-	-	ND (0.43)	ND (0.37)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Acenaphthylene	-	-	ND (0.43)	ND (0.37)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Acetophenone	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Aniline	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Anthracene	-	-	0.94	0.74	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Benzo(a)anthracene	-	-	0.77	1.6	-	-	-	-	-	-	ND (0.38)	-	-	0.6	-	-	ND (0.43)
Benzo(a)pyrene	-	-	0.65	1.5	-	-	-	-	-	-	ND (0.38)	-	-	0.51	-	-	ND (0.43)
Benzo(b)fluoranthene	-	-	0.69	1.9	-	-	-	-	-	-	ND (0.38)	-	-	0.56	-	-	ND (0.43)
Benzo(g,h,i)perylene	-	-	ND (0.43)	0.83	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Benzo(k)fluoranthene	-	-	ND (0.43)	0.73	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
bis(2-Ethylhexyl)phthalate	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Butyl benzylphthalate	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Carbazole	-	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Chrysene	-	-	0.75	1.8	-	-	-	-	-	-	ND (0.38)	-	-	0.58	-	-	ND (0.43)
Dibenz(a,h)anthracene	-	-	ND (0.43)	ND (0.37)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Dibenzofuran	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Diethyl phthalate	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Di-n-butylphthalate	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Fluoranthene	-	-	2.1	3.8	-	-	-	-	-	-	ND (0.38)	-	-	1.1	-	-	ND (0.43)
Fluorene	-	-	0.62	ND (0.37)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Indeno(1,2,3-cd)pyrene	-	-	ND (0.43)	0.95	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Naphthalene	-	-	1.1	ND (0.37)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
N-Nitrosodiphenylamine	-	-	ND (0.43)	-	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Pentachlorophenol	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Phenanthrene	-	-	2.8	2.5	-	-	-	-	-	-	ND (0.38)	-	-	0.77	-	-	ND (0.43)
Phenol	-	-	ND (0.43)	ND (0.74)	-	-	-	-	-	-	ND (0.38)	-	-	ND (0.44)	-	-	ND (0.43)
Pyrene	-	-	1.7	3.6	-	-	-	-	-	-	ND (0.38)	-	-	1	-	-	ND (0.43)
SUM of Semi-Volatile Organic Compounds	-	-	12.12	19.95	-	-	-	-	-	-	ND	-	-	5.12	-	-	ND
Total Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	6900	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	S15	S15	S15	S15A	S15A	S15A	S15A	S15A	S16	T14	T14	T14	T14	T14	T14	T14	T14
Sample Name	S15_S5_11.3-13.3	S15_S6_13.3-15.3	S15_S8_6.3-16.3	S15A_S1_0.3-5.3	S15A_S2_0.3-1.3	S15A_S3_1.3-3.3	S15A_S4_3.3-5.3	S15A_S5_5.3-7.3	S16_S1_0.0-1.4	T14_S1_1-2.3	T14_S2_1-5	T14_S3_3.5-5.0	T14_S4_5-7	T14_S7_5-10	T14_S5_7-9	T14_S6_9-11	T14_S9_10-15
Sample Date	06/11/2010	06/11/2010	06/14/2010	02/07/2015	02/07/2015	02/07/2015	02/07/2015	02/07/2015	11/25/2015	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010
Lab Sample ID	133875-32	133875-33	133923-10 133923-64 133923-75 134174-5	15B0269-01 15E0555-01	15B0269-02	15B0269-03	15B0624-01	15B0624-02	15K1254-01	138653-18	138653-48 138653-58 138653-69 138803-1	138653-19	138653-20	138653-49 138653-59 138653-70 138803-4	138653-21	138653-22	138653-50 138653-60 138653-71 138803-5
Sample Depth (bgs)	11.3 - 13.3 (ft)	13.3 - 15.3 (ft)	6.3 - 16.3 (ft)	0.3 - 5.3 (ft)	0.3 - 1.3 (ft)	1.3 - 3.3 (ft)	3.3 - 5.3 (ft)	5.3 - 7.3 (ft)	0 - 1.4 (ft)	1 - 2.3 (ft)	1 - 5 (ft)	3.5 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	10 - 15 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	11 to 1	17 to 12	17 to 16	16 to 14	14 to 12	12 to 10	17.4 to 16	16 to 14.7	16 to 12	13.5 to 12	12 to 10	12 to 7	10 to 8	8 to 6	7 to 2
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL							FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL
EPH (mg/kg)																	
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	190	-	-	-	-	-	-	-	330	-	-	83	-	-	ND (25)
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	190	-	-	-	-	-	-	-	330	-	-	92	-	-	ND (25)
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	220	-	-	-	-	-	-	-	340	-	-	45	-	-	ND (25)
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (40)	-	-	-	-	-	-	-	55	-	-	ND (27)	-	-	ND (25)
Inorganic Compounds (mg/kg)																	
Antimony	-	-	ND (1.4)	-	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.3)	-	-	1.5
Arsenic	-	-	6.4	4.3	-	-	-	-	-	-	7.6	-	-	ND (4)	-	-	9.5
Barium	-	-	72	52	-	-	-	-	-	-	28	-	-	78	-	-	73
Beryllium	-	-	ND (0.41)	-	-	-	-	-	-	-	ND (0.34)	-	-	ND (0.4)	-	-	ND (0.39)
Cadmium	-	-	1.5	0.61	-	-	-	-	-	-	0.64	-	-	2.1	-	-	1.4
Chromium	-	-	36	22	-	-	-	-	-	-	7.8	-	-	44	-	-	35
Chromium VI (Hexavalent)	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	ND (1)
Lead	-	-	53	3300	-	-	-	-	-	-	110	-	-	36	-	-	76
Mercury	-	-	0.52	0.16	-	-	-	-	-	-	0.082	-	-	0.78	-	-	0.4
Nickel	-	-	23	-	-	-	-	-	-	-	11	-	-	30	-	-	25
Selenium	-	-	ND (6.8)	ND (5.4)	-	-	-	-	-	-	ND (5.6)	-	-	ND (6.7)	-	-	ND (6.5)
Silver	-	-	ND (1.4)	ND (0.54)	-	-	-	-	-	-	ND (1.1)	-	-	ND (1.3)	-	-	ND (1.3)
Thallium	-	-	ND (6.8)	-	-	-	-	-	-	-	ND (5.6)	-	-	ND (6.7)	-	-	ND (6.5)
Vanadium	-	-	44	-	-	-	-	-	-	-	23	-	-	70	-	-	54
Zinc	-	-	78	-	-	-	-	-	-	-	34	-	-	79	-	-	83
TCLP Inorganic Compounds (mg/L)																	
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	130	-	-	-	-	-	-	0.4	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	ND (0.054)	ND (0.057)	-	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1221 (PCB-1221)	ND (0.054)	ND (0.057)	-	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1232 (PCB-1232)	ND (0.054)	ND (0.057)	-	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1242 (PCB-1242)	ND (0.054)	ND (0.057)	-	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1248 (PCB-1248)	ND (0.054)	ND (0.057)	-	-	0.25	0.46	ND (2.1)	0.19	ND (0.1)	28	-	0.056	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1254 (PCB-1254)	ND (0.054)	ND (0.057)	-	-	0.16	0.96	17	0.35	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1260 (PCB-1260)	ND (0.054)	ND (0.057)	-	-	0.12	2.4	5.4	0.17	0.11	13	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1262 (PCB-1262)	ND (0.054)	ND (0.057)	-	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
Aroclor-1268 (PCB-1268)	ND (0.054)	ND (0.057)	-	-	ND (0.11)	ND (0.42)	ND (2.1)	ND (0.1)	ND (0.1)	ND (4.4)	-	ND (0.048)	ND (0.051)	-	ND (0.055)	ND (0.054)	-
SUM of PCBs	ND	ND	-	-	0.53	3.82	22.4	0.71	0.11	41	-	0.056	ND	-	ND	ND	-
Other																	
Percent Solids, vol. (%wt)	-	-	-	91.4	94.7	94.2	91.4	94.7	95.5	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	-	-	-	-	-	-	165 >	-	-	165 >	-	-	165 >
Reactive Cyanide (mg/kg)	-	-	ND (50)	ND (4)	-	-	-	-	-	-	ND (50)	-	-	ND (50)	-	-	ND (50)
Reactive Sulfide (mg/kg)	-	-	ND (100)	ND (20)	-	-	-	-	-	-	ND (100)	-	-	ND (100)	-	-	ND (100)
Oxidation reduction potential (mv)	-	-	-	48	-	-	-	-	-	-	-	-	-	410	-	-	450
Ignitability (Flashpoint) (PA)	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	-	-	7	8.8	-	-	-	-	-	-	6.9	-	-	6.9	-	-	7.4
VPH (mg/kg)																	
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.6)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	ND (1.6)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	ND (1.6)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	ND (1.6)	-	-	-	-	-	-	-	ND (1)	-	-	ND (1.7)	-	-	ND (1.3)
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	ND (1.6)	-	-	-	-	-	-	-	ND (1)	-	-	2.1	-	-	ND (1.3)

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	T14	T14	T15	T15	T15	T15	T15	U14	U14	U14	U14	U14	U14	U15	U15	U15	U15	U15A
Sample Name	T14_S8_11-13	T14_S10_13-15	T15_S1_1-5	T15_S2_5-7	T15_S4_5-10	T15_S3_7-9	T15_S5_9-11	U14_S1_0.5-1.5	U14_S2_3-5	U14_S3_5-7	X14_S3_5-7	U14_S4_7-9	U14_S5_9-11	U15_S1_0.5-1.5	U15_S2_3-5	U15_S3_5-7	U15_S4_7-9	U15A_S1_0.2-4.8
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/16/2010	12/16/2010	12/16/2010	12/16/2010	02/07/2015
Lab Sample ID	138653-23	138653-24	138653-27 138653-52 138653-62 138653-73	138653-28	138653-53 138653-63 138653-74 138803-7	138653-29	138653-30	139069-15	139103-1	139103-2	139103-3	139103-4	139103-5	138653-9	138653-10	138653-11	138653-12	15B0267-01 15D0959-01
Sample Depth (bgs)	11 - 13 (ft)	13 - 15 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	0.2 - 4.8 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	16 to 12	12 to 10	12 to 7	10 to 8	8 to 6	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	16.3 to 15.3	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8	16.6 to 12
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	
Volatile Organic Compounds (mg/kg)																		
1,2,3-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	0.0053
1,2,4-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	100
1,2,4-Trimethylbenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
1,2-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	0.013
1,3,5-Trichlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	68
1,4-Dichlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	36
Benzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	0.0023
Chlorobenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	9.3
Chloroform (Trichloromethane)	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0037)
Cymene (p-Isopropyltoluene)	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
Ethylbenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
Isopropylbenzene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
m,p-Xylenes	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0037)
Methyl Tert Butyl Ether	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0037)
Methylene chloride	-	-	ND (0.054)	-	ND (0.055)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0092)
Naphthalene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0092)
o-Xylene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
Styrene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
Tetrachloroethene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
Toluene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
Trichloroethene	-	-	ND (0.005)	-	ND (0.006)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0018)
SUM of Volatile Organic Compounds	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	213.321
Semi-Volatile Organic Compounds (mg/kg)																		
1,2,4-Trichlorobenzene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	43
1,2-Dichlorobenzene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	0.51
1,3-Dichlorobenzene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	26
1,4-Dichlorobenzene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	15
2,4-Dimethylphenol	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
2-Chloronaphthalene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
2-Methylnaphthalene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
2-Methylphenol	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
3&4-Methylphenol	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Acenaphthene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Acenaphthylene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Acetophenone	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Aniline	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Anthracene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Benzo(a)anthracene	-	-	0.43	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Benzo(a)pyrene	-	-	0.41	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Benzo(b)fluoranthene	-	-	0.61	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	0.25
Benzo(g,h,i)perylene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Benzo(k)fluoranthene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
bis(2-Ethylhexyl)phthalate	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Butyl benzylphthalate	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Carbazole	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	0.49	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Dibenz(a,h)anthracene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Dibenzofuran	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Diethyl phthalate	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Di-n-butylphthalate	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Fluoranthene	-	-	0.81	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	0.28
Fluorene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Indeno(1,2,3-cd)pyrene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Naphthalene	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
N-Nitrosodiphenylamine	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Phenanthrene	-	-	0.52	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.19)
Phenol	-	-	ND (0.36)	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.37)
Pyrene	-	-	0.69	-	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	0.3
SUM of Semi-Volatile Organic Compounds	-	-	3.96	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	85.34
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons (C9-C36)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	550

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	T14	T14	T15	T15	T15	T15	T15	U14	U14	U14	U14	U14	U14	U15	U15	U15	U15	U15A
Sample Name	T14_S8_11-13	T14_S10_13-15	T15_S1_1-5	T15_S2_5-7	T15_S4_5-10	T15_S3_7-9	T15_S5_9-11	U14_S1_0.5-1.5	U14_S2_3-5	U14_S3_5-7	X14_S3_5-7	U14_S4_7-9	U14_S5_9-11	U15_S1_0.5-1.5	U15_S2_3-5	U15_S3_5-7	U15_S4_7-9	U15A_S1_0.2-4.8
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	01/10/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	12/16/2010	12/16/2010	12/16/2010	12/16/2010	02/07/2015
Lab Sample ID	138653-23	138653-24	138653-27 138653-52 138653-62 138653-73	138653-28	138653-53 138653-63 138653-74 138803-7	138653-29	138653-30	139069-15	139103-1	139103-2	139103-3	139103-4	139103-5	138653-9	138653-10	138653-11	138653-12	15B0267-01 15D0959-01
Sample Depth (bgs)	11 - 13 (ft)	13 - 15 (ft)	1 - 5 (ft)	5 - 7 (ft)	5 - 10 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	7 - 9 (ft)	0.2 - 4.8 (ft)
Sample Elevation (ft BCB)	6 to 4	4 to 2	16 to 12	12 to 10	12 to 7	10 to 8	8 to 6	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	16.3 to 15.3	13.8 to 11.8	11.8 to 9.8	9.8 to 7.8	16.6 to 12
Soil Description	HYDRAULIC FILL	HYDRAULIC FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	FILL	FILL	FILL	FILL	
EPH (mg/kg)																		
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	92	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	99	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	140	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	ND (22)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)																		
Antimony	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	ND (3.3)	-	ND (3.9)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.6)
Barium	-	-	26	-	56	-	-	-	-	-	-	-	-	-	-	-	-	41
Beryllium	-	-	ND (0.33)	-	ND (0.39)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	0.95	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	0.55
Chromium	-	-	19	-	30	-	-	-	-	-	-	-	-	-	-	-	-	9.6
Chromium VI (Hexavalent)	-	-	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	59	-	74	-	-	-	-	-	-	-	-	-	-	-	-	150
Mercury	-	-	0.17	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	0.051
Nickel	-	-	13	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (5.5)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.2)
Silver	-	-	ND (1.1)	-	ND (1.3)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.52)
Thallium	-	-	ND (5.5)	-	ND (6.6)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	38	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	64	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																		
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1016 (PCB-1016)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
Aroclor-1221 (PCB-1221)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
Aroclor-1232 (PCB-1232)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
Aroclor-1242 (PCB-1242)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
Aroclor-1248 (PCB-1248)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
Aroclor-1254 (PCB-1254)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	2.7	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	14	ND (300)	ND (300)	ND (240)	-
Aroclor-1260 (PCB-1260)	ND (0.055)	ND (0.052)	5.4	ND (0.049)	-	ND (0.053)	ND (0.054)	1.9	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	24	3300	1800	890	-
Aroclor-1262 (PCB-1262)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
Aroclor-1268 (PCB-1268)	ND (0.055)	ND (0.052)	ND (0.89)	ND (0.049)	-	ND (0.053)	ND (0.054)	ND (0.83)	ND (0.045)	ND (0.055)	ND (0.053)	ND (0.056)	ND (0.061)	ND (4.3)	ND (300)	ND (300)	ND (240)	-
SUM of PCBs	ND	ND	5.4	ND	-	ND	ND	4.6	ND	ND	ND	ND	ND	38	3300	1800	890	-
Other																		
Percent Solids, vol. (%wt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82
Ignitability (Flashpoint) (Deg F)	-	-	165 >	-	165 >	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (50)	-	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (4)
Reactive Sulfide (mg/kg)	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	ND (20)
Oxidation reduction potential (mv)	-	-	-	-	510	-	-	-	-	-	-	-	-	-	-	-	-	46
Ignitability (Flashpoint) (PA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
pH Corrosivity (pH units)	-	-	6.9	-	6.8	-	-	-	-	-	-	-	-	-	-	-	-	8.4
VPH (mg/kg)																		
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	5.7	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	5.8	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	1.6	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	4.9	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	6.7	-	ND (1.6)	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	U15A	U16	U16	U16	U16	U16	U16	V12	V12	V12	V12	V12	V12	V15	V15	V15	W11	W11	W12
Sample Name	U15A_S2_4.8-10.8	U16_S1_0.5-1.5	U16_S2_3-5	U16_S3_5-7	X16_S3_5-7	U16_S4_7-9	U16_S5_9-11	V12_S1_0-2	Z4_S1_0-2	V12_S2_2-4	Z4_S2_2-4	V12_S3_4-6	Z4_S3_4-6	V15_S1_1.2-8.3	V15_S7_8.3-18.3	V15_S2_8.5-10.5	W11_S1_0.2-2.2	W11_S2_2.2-4.2	W12_S1_0-5
Sample Date	02/07/2015	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	06/14/2010	06/14/2010	06/14/2010	02/12/2015	02/12/2015	01/14/2011
Lab Sample ID	15B0267-02 15D0959-02	139103-7	139103-8	139103-9	139103-10	139103-11	139103-12	15A0870-01	15A0835-01	15A0870-02	15A0835-02	15A0870-03	15A0835-03	133923-45 133923-81	133923-51 133923-70 133923-82 133923-69 134174-2 134174-8	133923-46	15B0414-01	15B0414-02	139182-5
Sample Depth (bgs)	4.8 - 10.8 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	1.2 - 8.3 (ft)	8.3 - 18.3 (ft)	8.5 - 10.5 (ft)	0.2 - 2.2 (ft)	2.2 - 4.2 (ft)	0 - 5 (ft)
Sample Elevation (ft BCB)	12 to 6	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	16.1 to 14.1	16.1 to 14.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	12.1 to 10.1	15.3 to 8.2	8.2 to -1.8	8 to 6	16 to 14	14 to 12	16.5 to 11.5
Soil Description	-	FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL							FILL	HYDRAULIC FILL	HYDRAULIC FILL			FILL
Volatile Organic Compounds (mg/kg)																			
1,2,3-Trichlorobenzene	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
1,2,4-Trichlorobenzene	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
1,2-Dichlorobenzene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
1,3-Dichlorobenzene	0.003	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
1,4-Dichlorobenzene	0.0019	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Benzene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Chlorobenzene	0.019	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Chloroform (Trichloromethane)	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Ethylbenzene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Isopropylbenzene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
m,p-Xylenes	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Methyl Tert Butyl Ether	ND (0.0029)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Methylene chloride	ND (0.0073)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.068)	ND (0.064)	-	-	-	-
Naphthalene	ND (0.0073)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
o-Xylene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Styrene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Tetrachloroethene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Toluene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
Trichloroethene	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.007)	ND (0.006)	-	-	-	-
SUM of Volatile Organic Compounds	0.0239	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4-Trichlorobenzene	8.7	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
1,2-Dichlorobenzene	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
1,3-Dichlorobenzene	24	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
1,4-Dichlorobenzene	12	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
2,4-Dimethylphenol	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
2-Chloronaphthalene	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
2-Methylnaphthalene	0.23	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
2-Methylphenol	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
3&4-Methylphenol	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Acenaphthene	0.43	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Acenaphthylene	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Acetophenone	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Aniline	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Anthracene	0.76	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Benzo(a)anthracene	1.3	-	-	-	-	-	-	-	-	-	-	-	-	1.2	ND (0.45)	-	-	-	-
Benzo(a)pyrene	1.1	-	-	-	-	-	-	-	-	-	-	-	-	1.1	ND (0.45)	-	-	-	-
Benzo(b)fluoranthene	1.4	-	-	-	-	-	-	-	-	-	-	-	-	1.7	ND (0.45)	-	-	-	-
Benzo(g,h,i)perylene	0.56	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Benzo(k)fluoranthene	0.54	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Butyl benzylphthalate	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Chrysene	1.3	-	-	-	-	-	-	-	-	-	-	-	-	1.4	ND (0.45)	-	-	-	-
Dibenz(a,h)anthracene	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Dibenzofuran	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Diethyl phthalate	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Di-n-butylphthalate	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Fluoranthene	3.1	-	-	-	-	-	-	-	-	-	-	-	-	2.8	0.7	-	-	-	-
Fluorene	0.53	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.67	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Naphthalene	0.65	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	0.46	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Pentachlorophenol	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Phenanthrene	2.6	-	-	-	-	-	-	-	-	-	-	-	-	2.2	1.3	-	-	-	-
Phenol	ND (0.42)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.75)	ND (0.45)	-	-	-	-
Pyrene	3	-	-	-	-	-	-	-	-	-	-	-	-	2.3	0.59	-	-	-	-
SUM of Semi-Volatile Organic Compounds	62.87	-	-	-	-	-	-	-	-	-	-	-	-	12.7	3.05	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																			
Total Petroleum Hydrocarbons (C9-C36)	960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	U15A	U16	U16	U16	U16	U16	U16	V12	V12	V12	V12	V12	V12	V15	V15	V15	W11	W11	W12
Sample Name	U15A_S2_4.8-10.8	U16_S1_0.5-1.5	U16_S2_3-5	U16_S3_5-7	X16_S3_5-7	U16_S4_7-9	U16_S5_9-11	V12_S1_0-2	Z4_S1_0-2	V12_S2_2-4	Z4_S2_2-4	V12_S3_4-6	Z4_S3_4-6	V15_S1_1.2-8.3	V15_S7_8.3-18.3	V15_S2_8.5-10.5	W11_S1_0.2-2.2	W11_S2_2.2-4.2	W12_S1_0-5
Sample Date	02/07/2015	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/11/2011	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	01/24/2015	06/14/2010	06/14/2010	06/14/2010	02/12/2015	02/12/2015	01/14/2011
Lab Sample ID	15B0267-02 15D0959-02	139103-7	139103-8	139103-9	139103-10	139103-11	139103-12	15A0870-01	15A0835-01	15A0870-02	15A0835-02	15A0870-03	15A0835-03	133923-45 133923-69 133923-81	133923-51 133923-70 133923-82 134174-2 134174-8	133923-46	15B0414-01	15B0414-02	139182-5
Sample Depth (bgs)	4.8 - 10.8 (ft)	0.5 - 1.5 (ft)	3 - 5 (ft)	5 - 7 (ft)	5 - 7 (ft)	7 - 9 (ft)	9 - 11 (ft)	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	1.2 - 8.3 (ft)	8.3 - 18.3 (ft)	8.5 - 10.5 (ft)	0.2 - 2.2 (ft)	2.2 - 4.2 (ft)	0 - 5 (ft)
Sample Elevation (ft BCB)	12 to 6	16.5 to 15.5	14 to 12	12 to 10	12 to 10	10 to 8	8 to 6	16.1 to 14.1	16.1 to 14.1	14.1 to 12.1	14.1 to 12.1	12.1 to 10.1	12.1 to 10.1	15.3 to 8.2	8.2 to -1.8	8 to 6	16 to 14	14 to 12	16.5 to 11.5
Soil Description		FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL	HYDRAULIC FILL							FILL	HYDRAULIC FILL	HYDRAULIC FILL			FILL
EPH (mg/kg)																			
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	390	ND (42)	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	430	ND (42)	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	380	ND (42)	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	80	ND (42)	-	-	-	-
Inorganic Compounds (mg/kg)																			
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	7.8	-	-	-	-
Arsenic	3.8	-	-	-	-	-	-	-	-	-	-	-	-	ND (3.6)	ND (4.1)	-	-	-	-
Barium	57	-	-	-	-	-	-	-	-	-	-	-	-	50	79	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.41)	-	-	-	-
Cadmium	0.91	-	-	-	-	-	-	-	-	-	-	-	-	1.1	6.9	-	-	-	-
Chromium	21	-	-	-	-	-	-	-	-	-	-	-	-	26	40	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-	-
Lead	290	-	-	-	-	-	-	-	-	-	-	-	-	40	980	-	-	-	-
Mercury	0.24	-	-	-	-	-	-	-	-	-	-	-	-	0.38	0.2	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	16	26	-	-	-	-
Selenium	ND (6.1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	8.5	-	-	-	-
Silver	ND (0.61)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.2)	ND (1.4)	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (5.9)	ND (6.9)	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	38	41	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	52	1100	-	-	-	-
TCLP Inorganic Compounds (mg/L)																			
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1221 (PCB-1221)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1232 (PCB-1232)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1242 (PCB-1242)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1248 (PCB-1248)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	1.6	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1254 (PCB-1254)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	3.5	3.4	130	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1260 (PCB-1260)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	2.1	3.7	270	78	67	63	47	-	ND (0.097)	0.13	ND (0.13)	1300
Aroclor-1262 (PCB-1262)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
Aroclor-1268 (PCB-1268)	-	ND (0.043)	ND (0.049)	ND (0.054)	ND (0.047)	ND (0.059)	ND (0.05)	ND (0.53)	ND (1.1)	ND (63)	ND (25)	ND (23)	ND (11)	ND (4.7)	-	ND (0.097)	ND (0.11)	ND (0.13)	ND (460)
SUM of PCBs	-	ND	ND	ND	ND	ND	ND	7.2	7.1	400	78	67	63	47	-	ND	0.13	ND	1300
Other																			
Percent Solids, vol. (%wt)	82.4	-	-	-	-	-	-	94.9	87.1	79.4	81.4	87.1	89.4	-	-	-	87.7	76.1	-
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-	165 >	165 >	-	-	-	-
Reactive Cyanide (mg/kg)	ND (4)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	ND (50)	-	-	-	-
Reactive Sulfide (mg/kg)	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	ND (100)	-	-	-	-
Oxidation reduction potential (mv)	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignitability (Flashpoint) (PA)	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH Corrosivity (pH units)	7.2	-	-	-	-	-	-	-	-	-	-	-	-	7	7.5	-	-	-	-
VPH (mg/kg)																			
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.2)	ND (2.6)	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.2)	ND (2.6)	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	ND (2.6)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	ND (2.6)	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	ND (2.6)	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	W12A	W12A	W12A	W12A	W13	W13	W13	W13A	W13A	W13A	X12	X12	X12
Sample Name	W12A_S2_0.6-2.6	W12A_S3_2.6-4.6	W12A_S1_3.4-4.6	W12A_S4_4.6-6.6	W13_S1_0.7-4.7	Z13_S1_0.7-4.7	W13_S2_4.7-6.7	W13A_S1_0.0-4.8	W13A_S2_0.8-2.8	W13A_S3_2.8-4.8	X12_S1_0.1-2.1	X12_S2_2.1-4.1	X12_S3_4.1-6.1
Sample Date	02/12/2015	02/12/2015	02/12/2015	02/12/2015	01/03/2011	01/03/2011	01/03/2011	02/12/2015	02/12/2015	02/12/2015	02/12/2015	02/12/2015	02/12/2015
Lab Sample ID	15B0412-02	15B0412-03	15B0412-01 15B0558-01	15B0789-01	138916-2	138916-5	138916-3	15B0405-01	15B0405-02	15B0405-03	15B0415-01	15B0415-02	15B0791-01
Sample Depth (bgs)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	3.4 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.7 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	0 - 4.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	0.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	13.2 to 12	12 to 10	16 to 12	16 to 12	12 to 10	16.8 to 12	16 to 14	14 to 12	16 to 14	14 to 12	12 to 10
Soil Description					FILL	FILL	HYDRAULIC FILL	-					
Volatile Organic Compounds (mg/kg)													
1,2,3-Trichlorobenzene	-	-	ND (0.23)	-	-	-	-	ND (0.0034)	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	0.27	-	-	-	-	ND (0.0034)	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.093)	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	0.19	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,3,5-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	1.9	-	-	-	-	ND (0.0017)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	1.4	-	-	-	-	ND (0.0017)	-	-	-	-	-
Benzene	-	-	ND (0.046)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Chlorobenzene	-	-	3.9	-	-	-	-	ND (0.0017)	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	ND (0.093)	-	-	-	-	ND (0.0034)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.046)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Ethylbenzene	-	-	ND (0.046)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.093)	-	-	-	-	ND (0.0017)	-	-	-	-	-
m,p-Xylenes	-	-	ND (0.093)	-	-	-	-	ND (0.0034)	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	ND (0.046)	-	-	-	-	ND (0.0034)	-	-	-	-	-
Methylene chloride	-	-	ND (0.23)	-	-	-	-	ND (0.0086)	-	-	-	-	-
Naphthalene	-	-	ND (0.23)	-	-	-	-	ND (0.0086)	-	-	-	-	-
o-Xylene	-	-	ND (0.093)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Styrene	-	-	ND (0.093)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.046)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Toluene	-	-	ND (0.046)	-	-	-	-	ND (0.0017)	-	-	-	-	-
Trichloroethene	-	-	ND (0.046)	-	-	-	-	ND (0.0017)	-	-	-	-	-
SUM of Volatile Organic Compounds	-	-	7.66	-	-	-	-	ND	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
1,2,4-Trichlorobenzene	-	-	9.5	-	-	-	-	ND (0.4)	-	-	-	-	-
1,2-Dichlorobenzene	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
1,3-Dichlorobenzene	-	-	27	-	-	-	-	ND (0.4)	-	-	-	-	-
1,4-Dichlorobenzene	-	-	25	-	-	-	-	ND (0.4)	-	-	-	-	-
2,4-Dimethylphenol	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
2-Chloronaphthalene	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
2-Methylnaphthalene	-	-	ND (1.9)	-	-	-	-	0.21	-	-	-	-	-
2-Methylphenol	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
3&4-Methylphenol	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Acenaphthene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
Acenaphthylene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
Acetophenone	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Aniline	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Anthracene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
Benzo(a)anthracene	-	-	ND (1.9)	-	-	-	-	0.34	-	-	-	-	-
Benzo(a)pyrene	-	-	ND (1.9)	-	-	-	-	0.31	-	-	-	-	-
Benzo(b)fluoranthene	-	-	ND (1.9)	-	-	-	-	0.51	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	ND (1.9)	-	-	-	-	0.21	-	-	-	-	-
Benzo(k)fluoranthene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Butyl benzylphthalate	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	ND (1.9)	-	-	-	-	0.45	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
Dibenzofuran	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Diethyl phthalate	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Di-n-butylphthalate	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Fluoranthene	-	-	ND (1.9)	-	-	-	-	0.8	-	-	-	-	-
Fluorene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	ND (1.9)	-	-	-	-	0.22	-	-	-	-	-
Naphthalene	-	-	ND (1.9)	-	-	-	-	ND (0.2)	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Phenanthrene	-	-	ND (1.9)	-	-	-	-	0.67	-	-	-	-	-
Phenol	-	-	ND (3.9)	-	-	-	-	ND (0.4)	-	-	-	-	-
Pyrene	-	-	ND (1.9)	-	-	-	-	0.71	-	-	-	-	-
SUM of Semi-Volatile Organic Compounds	-	-	61.5	-	-	-	-	4.43	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons (C9-C36)	-	-	22000	-	-	-	-	740	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - DISTURBED SOILS
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

Location Name	W12A	W12A	W12A	W12A	W13	W13	W13	W13A	W13A	W13A	X12	X12	X12
Sample Name	W12A_S2_0.6-2.6	W12A_S3_2.6-4.6	W12A_S1_3.4-4.6	W12A_S4_4.6-6.6	W13_S1_0.7-4.7	Z13_S1_0.7-4.7	W13_S2_4.7-6.7	W13A_S1_0.0-4.8	W13A_S2_0.8-2.8	W13A_S3_2.8-4.8	X12_S1_0.1-2.1	X12_S2_2.1-4.1	X12_S3_4.1-6.1
Sample Date	02/12/2015	02/12/2015	02/12/2015	02/12/2015	01/03/2011	01/03/2011	01/03/2011	02/12/2015	02/12/2015	02/12/2015	02/12/2015	02/12/2015	02/12/2015
Lab Sample ID	15B0412-02	15B0412-03	15B0412-01 15B0558-01	15B0789-01	138916-2	138916-5	138916-3	15B0405-01	15B0405-02	15B0405-03	15B0415-01	15B0415-02	15B0791-01
Sample Depth (bgs)	0.6 - 2.6 (ft)	2.6 - 4.6 (ft)	3.4 - 4.6 (ft)	4.6 - 6.6 (ft)	0.7 - 4.7 (ft)	0.7 - 4.7 (ft)	4.7 - 6.7 (ft)	0 - 4.8 (ft)	0.8 - 2.8 (ft)	2.8 - 4.8 (ft)	0.1 - 2.1 (ft)	2.1 - 4.1 (ft)	4.1 - 6.1 (ft)
Sample Elevation (ft BCB)	16 to 14	14 to 12	13.2 to 12	12 to 10	16 to 12	16 to 12	12 to 10	16.8 to 12	16 to 14	14 to 12	16 to 14	14 to 12	12 to 10
Soil Description					FILL	FILL	HYDRAULIC FILL						
EPH (mg/kg)													
MADEP C11-C22 AROMATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C11-C22 AROMATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C19-C36 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C18 ALIPHATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	4.4	-	-	-	-	8.2	-	-	-	-	-
Barium	-	-	43	-	-	-	-	53	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	0.76	-	-	-	-	2.3	-	-	-	-	-
Chromium	-	-	25	-	-	-	-	15	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	570	-	-	-	-	98	-	-	-	-	-
Mercury	-	-	0.17	-	-	-	-	0.098	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (6)	-	-	-	-	ND (6.3)	-	-	-	-	-
Silver	-	-	ND (0.6)	-	-	-	-	ND (0.63)	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)													
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	4.5	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1221 (PCB-1221)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1232 (PCB-1232)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1242 (PCB-1242)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1248 (PCB-1248)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	0.71	ND (0.11)
Aroclor-1254 (PCB-1254)	ND (0.11)	0.32	-	60	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	1.2	ND (0.11)
Aroclor-1260 (PCB-1260)	0.21	0.97	-	240	120	120	ND (0.049)	-	0.69	ND (0.12)	ND (0.1)	1.6	ND (0.11)
Aroclor-1262 (PCB-1262)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	ND (0.42)	ND (0.11)
Aroclor-1268 (PCB-1268)	ND (0.11)	ND (0.21)	-	ND (26)	ND (22)	ND (22)	ND (0.049)	-	ND (0.25)	ND (0.12)	ND (0.1)	ND (0.42)	ND (0.11)
SUM of PCBs	0.21	1.29	-	300	120	120	ND	-	0.69	ND	ND	3.51	ND
Other													
Percent Solids, vol. (%wt)	93.3	90.7	87.1	76.3	-	-	-	83.4	76.3	83	94	91.8	87.9
Ignitability (Flashpoint) (Deg F)	-	-	-	-	-	-	-	-	-	-	-	-	-
Reactive Cyanide (mg/kg)	-	-	ND (3.9)	-	-	-	-	ND (4)	-	-	-	-	-
Reactive Sulfide (mg/kg)	-	-	ND (20)	-	-	-	-	ND (20)	-	-	-	-	-
Oxidation reduction potential (mv)	-	-	110	-	-	-	-	100	-	-	-	-	-
Ignitability (Flashpoint) (PA)	-	-	0	-	-	-	-	0	-	-	-	-	-
pH Corrosivity (pH units)	-	-	7.7	-	-	-	-	7.8	-	-	-	-	-
VPH (mg/kg)													
MADEP C5-C8 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C5-C8 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C10 AROMATIC HYDROCARBONS	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, ADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-
MADEP C9-C12 ALIPHATIC HYDROCARBONS, UNADJUSTED	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS:
-: Not Analyzed
mg/kg: milligram per kilogram
mg/L: milligram per liter
mV: millivolts
ND (2.5): Not detected, number in parentheses is
the laboratory reporting limi
NI: Not Ignitable

TABLE 2
SOIL SUMMARY STATISTICS, COC AND EPCs - SOILS DISTURBED DURING EXCAVATION
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

							Low Frequency / Low Concentration Screening (see notes)			Selection of Compounds of Concern and Exposure Point Concentration			
Detected Compound	Frequency of Detection	Range of Detected Concentrations	Average of All Samples	2002 MassDEP Natural Background (mg/kg)	Consistent with Background?	Low Frequency	RCS-1 (mg/kg)	Low Conc.	Rationale for Exclusion	Selected COC	EPC	
Volatile Organics (mg/Kg)												
1,2,3-Trichlorobenzene	14 / 164	0.0053 - 9.6	0.20	NA	no	no	NA			1,2,3-Trichlorobenzene	0.47	95% UCL
1,2,4-Trichlorobenzene	17 / 164	0.016 - 100	1.1	NA	no	no	2			1,2,4-Trichlorobenzene	See below	
1,2,4-Trimethylbenzene	4 / 164	0.0012 - 0.69	0.029	NA	no	yes	1000	yes	low freq. / low conc.			
1,2-Dichlorobenzene	5 / 164	0.013 - 2.4	0.052	NA	no	yes	9	no		1,2-Dichlorobenzene	0.052	Average
1,3,5-Trichlorobenzene	1 / 124	1 - 1	0.040	NA	no	yes	NA	yes	low freq. / low conc.			
1,3-Dichlorobenzene	10 / 164	0.003 - 68	0.82	NA	no	no	3			1,3-Dichlorobenzene	See below	
1,4-Dichlorobenzene	10 / 164	0.0019 - 36	0.69	NA	no	no	0.7			1,4-Dichlorobenzene	1.8	95% UCL
Benzene	2 / 164	0.0023 - 0.0027	0.026	NA	no	yes	2	yes	low freq. / low conc.			
Chlorobenzene	8 / 164	0.012 - 53	0.67	NA	no	yes	1	no		Chlorobenzene	2.1	95% UCL
Chloroform (Trichloromethane)	1 / 164	0.009 - 0.009	0.027	NA	no	yes	0.2	yes	low freq. / low conc.			
Cymene (p-Isopropyltoluene)	8 / 164	0.0012 - 0.9	0.036	NA	no	yes	100	yes	low freq. / low conc.			
Ethylbenzene	2 / 164	0.0013 - 0.86	0.030	NA	no	yes	40	yes	low freq. / low conc.			
Isopropylbenzene	1 / 164	0.0016 - 0.0016	0.027	NA	no	yes	1000	yes	low freq. / low conc.			
m,p-Xylenes	3 / 164	0.0026 - 4.9	0.057	NA	no	yes	100	yes	low freq. / low conc.			
Methyl Tert Butyl Ether	1 / 164	0.018 - 0.018	0.027	NA	no	yes	0.1	no		Methyl Tert Butyl Ether	0.027	Average
Methylene chloride	1 / 164	0.0062 - 0.0062	0.12	NA	no	yes	0.1	yes	low freq. / low conc.			
Naphthalene	25 / 164	0.005 - 53	0.40	0.5	no	no	4			Naphthalene	See below	
o-Xylene	2 / 164	0.0011 - 1.9	0.036	NA	no	yes	100	yes	low freq. / low conc.			
Styrene	4 / 164	0.002 - 1.2	0.033	NA	no	yes	3	no		Styrene	0.033	Average
Tetrachloroethene	2 / 164	0.006 - 0.007	0.027	NA	no	yes	1	yes	low freq. / low conc.			
Toluene	4 / 164	0.0018 - 7.4	0.078	NA	no	yes	30	no		Toluene	0.078	Average
Trichloroethene	1 / 164	0.45 - 0.45	0.028	NA	no	yes	0.3	no		Trichloroethene	0.028	Average
Semivolatile Organics (mg/Kg)												
1,2,4-Trichlorobenzene	28 / 164	0.42 - 43	1.1	NA	no	no	2			1,2,4-Trichlorobenzene	2.6	95% UCL
1,2-Dichlorobenzene	2 / 164	0.51 - 0.53	0.34	NA	no	yes	9	yes	low freq. / low conc.			
1,3-Dichlorobenzene	11 / 164	0.49 - 27	0.89	NA	no	no	3			1,3-Dichlorobenzene	0.89	Average
1,4-Dichlorobenzene	12 / 164	0.52 - 25	0.76	NA	no	no	0.7			1,4-Dichlorobenzene	See above	
2,4-Dimethylphenol	1 / 164	0.63 - 0.63	0.33	NA	no	yes	0.7	no		2,4-Dimethylphenol	0.33	Average
2-Chloronaphthalene	1 / 164	1.1 - 1.1	0.34	NA	no	yes	1000	yes	low freq. / low conc.			
2-Methylnaphthalene	30 / 164	0.19 - 20	0.50	0.5	no	no	0.7			2-Methylnaphthalene	0.50	Average
2-Methylphenol	1 / 164	0.45 - 0.45	0.33	NA	no	yes	500	yes	low freq. / low conc.			
3&4-Methylphenol	8 / 164	0.42 - 1.2	0.36	NA	no	yes	500	yes	low freq. / low conc.			
Acenaphthene	41 / 164	0.22 - 29	0.59	0.5	no	no	4			Acenaphthene	0.59	Average
Acenaphthylene	11 / 164	0.22 - 4.6	0.36	0.5	no	no	1			Acenaphthylene	0.36	Average
Acetophenone	1 / 164	0.61 - 0.61	0.33	NA	no	yes	NA	yes	low freq. / low conc.			
Aniline	1 / 164	0.62 - 0.62	0.33	NA	no	yes	NA	yes	low freq. / low conc.			
Anthracene	95 / 164	0.19 - 61	1.2	1	no	no	1000			Anthracene	1.2	Average
Benzo(a)anthracene	134 / 164	0.34 - 95	2.5	2	no	no	7			Benzo(a)anthracene	5.1	95% UCL
Benzo(a)pyrene	132 / 164	0.31 - 76	2.1	2	no	no	2			Benzo(a)pyrene	4.4	95% UCL
Benzo(b)fluoranthene	138 / 164	0.25 - 110	2.9	2	no	no	7			Benzo(b)fluoranthene	6.1	95% UCL
Benzo(g,h,i)perylene	73 / 164	0.21 - 15	0.79	1	no	no	1000			Benzo(g,h,i)perylene	0.79	Average
Benzo(k)fluoranthene	92 / 164	0.26 - 37	1.0	1	no	no	70			Benzo(k)fluoranthene	1.0	Average
bis(2-Ethylhexyl)phthalate	70 / 164	0.35 - 58	1.1	NA	no	no	90			bis(2-Ethylhexyl)phthalate	1.1	Average
Butyl benzylphthalate	2 / 164	0.59 - 1.2	0.34	NA	no	yes	100	yes	low freq. / low conc.			
Carbazole	20 / 124	0.35 - 32	0.66	NA	no	no	NA			Carbazole	0.66	Average
Chrysene	136 / 164	0.23 - 92	2.4	2	no	no	70			Chrysene	5.0	95% UCL
Dibenz(a,h)anthracene	18 / 164	0.19 - 3.3	0.36	0.5	no	no	0.7			Dibenz(a,h)anthracene	0.36	Average
Dibenzofuran	28 / 164	0.39 - 29	0.61	NA	no	no	100			Dibenzofuran	0.61	Average
Diethyl phthalate	1 / 164	0.55 - 0.55	0.33	NA	no	yes	10	yes	low freq. / low conc.			
Di-n-butylphthalate	2 / 164	0.69 - 3.1	0.35	NA	no	yes	50	yes	low freq. / low conc.			
Fluoranthene	146 / 164	0.28 - 250	5.4	4	no	no	1000			Fluoranthene	5.4	Average
Fluorene	49 / 164	0.19 - 40	0.74	1	no	no	1000			Fluorene	0.74	Average
Indeno(1,2,3-cd)pyrene	87 / 164	0.22 - 24	1.0	1	no	no	7			Indeno(1,2,3-cd)pyrene	1.8	95% UCL
Naphthalene	59 / 164	0.22 - 58	0.97	0.5	no	no	4			Naphthalene	2.5	95% UCL
N-Nitrosodiphenylamine	2 / 124	0.68 - 2.3	0.34	NA	no	yes	100	yes	low freq. / low conc.			
Pentachlorophenol	1 / 164	0.58 - 0.58	0.48	NA	no	yes	3	no		Pentachlorophenol	0.48	Average
Phenanthrene	144 / 164	0.33 - 300	4.7	3	no	no	10			Phenanthrene	4.7	Average
Phenol	1 / 164	4 - 4	0.35	NA	no	yes	1	no		Phenol	0.35	Average
Pyrene	145 / 164	0.3 - 170	4.3	4	no	no	1000			Pyrene	4.3	Average
PCBs (mg/Kg												
Aroclor-1242 (PCB-1242)	8 / 302	0.52 - 6.4	13.2	NA	no	yes	1	no	Evaluated as total PCBs			
Aroclor-1248 (PCB-1248)	83 / 301	0.056 - 460	21	NA	no	no	1		Evaluated as total PCBs			
PCBs (mg/Kg												
Aroclor-1254 (PCB-1254)	159 / 302	0.046 - 9800	102	NA	no	no	1		Evaluated as total PCBs			
Aroclor-1260 (PCB-1260)	226 / 302	0.047 - 3900	99	NA	no	no	1		Evaluated as total PCBs			
SUM of PCBs	243 / 302	0.046 - 11000	204	NA	no	no	1			SUM of PCBs	409	95% UCL
Inorganics (mg/Kg												
Antimony	93 / 124	1.2 - 1100	26	1	no	no	20			Antimony	72	95% UCL
Arsenic	72 / 164	3.3 - 59	4.7	20	no	no	20			Arsenic	4.7	Average
Barium	164 / 164	14 - 1400	133	50	no	no	1000			Barium	194	95% UCL
Cadmium	150 / 164	0.4 - 31	4.0	2	no	no	70			Cadmium	4.0	Average
Chromium	164 / 164	4.4 - 190	33	30	no	no	100			Chromium	33	Average
Lead	164 / 164	9.6 - 28000	2128	100	no	no	200			Lead	3764	95% UCL
Mercury	161 / 164	0.039 - 97	2.3	0.3	no	no	20			Mercury	5.9	95% UCL
Nickel	119 / 124	6.2 - 170	33	20	no	no	600			Nickel	33	Average
Selenium	12 / 164	5.2 - 15	3.5	0.5	no	no	400			Selenium	3.5	Average
Silver	1 / 164	10 - 10	0.60	0.6	no	yes	100	no		Silver	0.60	Average
Thallium	7 / 124	8 - 19	3.5	0.6	no	no	8			Thallium	3.5	Average
Vanadium	124 / 124	8.6 - 530	54	30	no	no	400			Vanadium	54	Average
Zinc	124 / 124	22 - 5000	518	100	no	no	1000			Zinc	851	95% UCL

TABLE 2
SOIL SUMMARY STATISTICS, COC AND EPCs - SOILS DISTURBED DURING EXCAVATION
BOSTON CONVENTION AND EXHIBITION CENTER
BOSTON, MASSACHUSETTS
FILE NO. 12486-570

									Low Frequency / Low Concentration Screening (see notes)			Selection of Compounds of Concern and Exposure Point Concentration			
Detected Compound	Frequency of Detection			Range of Detected Concentrations			Average of All Samples	2002 MassDEP Natural Background (mg/kg)	Consistent with Background?	Low Frequency	RCS-1 (mg/kg)	Low Conc.	Rationale for Exclusion	Selected COC	EPC	
TPH (mg/Kg)																
Total Petroleum Hydrocarbons (C9-C36)	40	/	40	62	-	22000	1641	NA	no	no	100		Evaluated as EPH			
VPH (mg/Kg)																
C5-C8 ALIPHATICS, ADJ.	22	/	124	1.4	-	100	1.8	NA	no	no	100			C5-C8 ALIPHATICS, ADJ.	1.8	Average
C9-C10 AROMATICS	46	/	124	1.1	-	120	3.2	NA	no	no	100			C9-C10 AROMATICS	7.9	95% UCL
C9-C12 ALIPHATICS, ADJ.	28	/	124	1.5	-	43	1.8	NA	no	no	1000			C9-C12 ALIPHATICS, ADJ.	1.8	Average
EPH (mg/Kg)																
C11-C22 AROMATICS, ADJ.	157	/	164	26	-	9157	341	NA	no	no	1000			C11-C22 AROMATICS, ADJ.	620	95% UCL
C19-C36 ALIPHATICS	157	/	164	28	-	9956	371	NA	no	no	3000			C19-C36 ALIPHATICS	666	95% UCL
C9-C18 ALIPHATICS	79	/	164	8.1	-	2886	205	NA	no	no	1000			C9-C18 ALIPHATICS	102	95% UCL

ABBREVIATIONS:
- EPC = exposure point concentration
- mg/kg = milligram per kilogram
- UCL = upper concentration limit

NOTES:
- Only compounds detected above laboratory detection limits at least once are listed.
- Compounds were excluded as COC if the maximum detected levels in site-wide data did not exceed 2002 MassDEP natural background concentrations.
- Compounds were excluded as COC if they were detected at low frequency and low concentrations (i.e., if they were detected in 1 or 2 samples out of dataset of 10-20 or less than 5% in a dataset greater than 20), and at concentrations approximately an order of magnitude lower than the Reportable Concentration.
-TPH was not included as a COC since EPH and VPH carbon ranges were reported. EPH data provides a better characterization of petroleum contamination than TPH data. EPH values were converted from TPH results based on available EPH data. 42% of the TPH value was assigned to C11-C22 aromatics, 45% was assigned to C19-36 aliphatics, and 13% was assigned to C9-C18 aliphatics. If TPH was not detected, the laboratory reporting limit was assigned to each carbon range. Summary statistics for detected plus converted values are shown.
- The average for Total PCBs uses 1/2 the detection limit for those samples for which no Aroclors were detected.
- Average levels are calculated as the arithmetic mean and use values of 1/2 the reporting limit for constituents that were not detected.
-95% UCL is calculated using ProUCL software (V. 5.1). ProUCL output documentation is presented in Attachment B.
- For compounds analyzed by more than one method, such as napthalene, the maximum calculated average or 95% UCL was used for the EPC.

TABLE 3

SUMMARY OF ESTIMATED TOTAL SITE RISK AND DUST ACTION LEVEL CALCULATIONS

BOSTON CONVENTION AND EXHIBITION CENTER

BOSTON, MASSACHUSETTS

FILE NO. 12486-570

SUMMARY OF TOTAL SITE RISK

POTENTIAL RECEPTOR/ USE SCENARIO	EXPOSURE MEDIA	EXPOSURE ROUTE AND MIGRATION PATHWAY	HAZARD INDEX	ELCR
CURRENT USE				
Nearby Adult Resident	Soil	Inhalation of fugitive dust	2.E-01	6.E-08
		Total:	2.E-01	6.E-08
Nearby Child Resident	Soil	Inhalation of fugitive dust	2.E-01	4.E-08
		Total:	2.E-01	4.E-08
		MassDEP Risk Limits:	1.E+00	1.E-05

ABBREVIATIONS:

TSHI: Total Site Hazard Index

ELCR: Excess Lifetime Cancer Risk

Attachment A
Cumulative Receptor Risk Calculations

Method 3 Risk Assessment for Chemicals in Soil - Nearby Adult Resident

Based on Construction Worker Shortform 2012 (sf12cw)

Index

Tab	
EPCs	Table CW-1: Select chemicals and enter Exposure Point Concentrations (EPCs). Estimated risks are shown to the right.
C Eq	Table CW-2: Equations to calculate cancer risks
NC Eq	Table CW-3: Equations to calculate noncancer risks
Exp	Table CW-4: Definitions and exposure factors
Chem	Table CW-5: Chemical-specific data
Cyanide	Table CW-6: Cyanide Calculations

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Nearby Adult Resident - Soil: Table CW-1
Exposure Point Concentration (EPC) and Risk
Based on Construction Worker Table CW-1

ShortForm Version 10-12
Vlookup Version v0315

ELCR (all chemicals) = 6E-08
HI (all chemicals) = 2E-01

****Do not insert or delete any rows****
Click on empty cell below and select OHM using arrow.

Oil or Hazardous Material (OHM)		EPC (mg/kg)	ELCR inhalation GI	ELCR inhalation pulmonary	$ELCR_{total}$	HQ_{inh-GI}	HQ_{inh}	HQ_{total}
TRICHLOROBENZENE, 1,2,3-	1,2,3-Trichlorobenzene	4.69E-01				3.5E-07		3.5E-07
TRICHLOROBENZENE, 1,2,4-	1,2,4-Trichlorobenzene	2.56E+00				1.7E-07	9.0E-07	1.1E-06
DICHLOROBENZENE, 1,2- (o-DCB)	1,2-Dichlorobenzene	5.20E-02				3.5E-10	1.5E-10	5.0E-10
DICHLOROBENZENE, 1,3- (m-DCB)	1,3-Dichlorobenzene	8.93E-01				6.0E-09	2.6E-09	8.6E-09
DICHLOROBENZENE, 1,4- (p-DCB)	1,4-Dichlorobenzene	1.82E+00	1.9E-12	6.2E-13	2.5E-12	1.2E-08	5.3E-09	1.8E-08
DIMETHYLPHENOL, 2,4-	2,4-Dimethylphenol	3.34E-01				4.0E-08	1.2E-08	5.2E-08
METHYLNAPHTHALENE, 2-	2-Methylnaphthalene	5.04E-01				2.3E-07	7.1E-09	2.4E-07
Acenaphthene		5.87E-01				5.3E-09	8.3E-09	1.4E-08
Acenaphthylene		3.60E-01				2.2E-09	5.1E-09	7.2E-09
Anthracene		1.20E+00				2.2E-09	1.7E-08	1.9E-08
Antimony		7.22E+01				1.1E-03	5.1E-05	1.1E-03
Arsenic		4.73E+00	1.5E-10	7.0E-10	8.5E-10	4.7E-05	1.7E-03	1.7E-03
Barium		1.94E+02				1.7E-05	2.7E-04	2.9E-04
Benzo(a)anthracene		5.15E+00	4.8E-11	5.3E-11	1.0E-10	3.1E-08	7.2E-08	1.0E-07
Benzo(a)pyrene		4.36E+00	4.1E-10	4.5E-10	8.6E-10	2.6E-08	6.1E-08	8.8E-08
Benzo(b)fluoranthene		6.09E+00	5.7E-11	6.3E-11	1.2E-10	3.7E-08	8.6E-08	1.2E-07
Benzo(g,h,i)perylene		7.88E-01				4.8E-09	1.1E-08	1.6E-08
Benzo(k)fluoranthene		1.05E+00	9.8E-13	1.1E-12	2.1E-12	6.3E-09	1.5E-08	2.1E-08
bis(2-Ethylhexyl)phthalate		1.13E+00	6.7E-13	7.3E-14	7.4E-13	3.4E-07	1.1E-06	1.5E-06
AROMATICS C11 to C22	C11-C22 AROMATICS, ADJ.	6.20E+02				3.7E-06	8.7E-06	1.2E-05
ALIPHATICS C19 to C36	C19-C36 ALIPHATICS	6.66E+02				6.7E-07		6.7E-07
ALIPHATICS C5 to C8	C5-C8 ALIPHATICS, ADJ.	1.80E+00				2.7E-08	6.3E-08	9.1E-08
AROMATICS C9 to C10	C9-C10 AROMATICS	7.92E+00				1.6E-07	1.1E-07	2.7E-07
ALIPHATICS C9 to C12	C9-C12 ALIPHATICS, ADJ.	1.77E+00				1.1E-08	2.1E-08	3.1E-08
ALIPHATICS C9 to C18	C9-C18 ALIPHATICS	1.02E+02				6.1E-07	1.2E-06	1.8E-06
Cadmium		3.98E+00		3.6E-10	3.6E-10	2.4E-05	1.4E-03	1.4E-03
Carbazole		6.58E-01	5.6E-13		5.6E-13			
Chlorobenzene		2.07E+00				1.8E-07	2.9E-08	2.1E-07
CHROMIUM (TOTAL)	Chromium	3.26E+01		1.9E-08	1.9E-08	9.8E-06	7.6E-04	7.7E-04
Chrysene		4.98E+00	4.6E-12	5.2E-12	9.8E-12	3.0E-08	7.0E-08	1.0E-07
Dibenzo(a,h)anthracene		3.57E-01	3.3E-11	3.7E-11	7.0E-11	2.2E-09	5.0E-09	7.2E-09
Dibenzofuran		6.08E-01				1.8E-06	6.1E-07	2.4E-06
Fluoranthene		5.36E+00				9.7E-08	7.5E-08	1.7E-07
Fluorene		7.36E-01				3.3E-09	1.0E-08	1.4E-08
Indeno(1,2,3-cd)pyrene		1.83E+00	1.7E-11	1.9E-11	3.6E-11	1.1E-08	2.6E-08	3.7E-08
Lead		3.76E+03				1.5E-02	2.6E-02	4.2E-02
Mercury		5.91E+00				5.9E-05	1.4E-04	2.0E-04
Methyl Tert Butyl Ether		2.68E-02				1.6E-10	6.3E-11	2.2E-10
Naphthalene		2.50E+00				2.3E-08	5.9E-06	5.9E-06
Nickel		3.29E+01		7.8E-10	7.8E-10	9.9E-06	2.3E-04	2.4E-04
Pentachlorophenol		4.84E-01	8.2E-12	2.4E-12	1.1E-11	5.8E-07	4.9E-05	4.9E-05
Phenanthrene		4.74E+00				2.9E-08	6.7E-08	9.5E-08
Phenol		3.55E-01				7.1E-09	9.6E-09	1.7E-08
Pyrene		4.33E+00				2.6E-08	6.1E-08	8.7E-08
Selenium		3.54E+00				4.3E-06	8.3E-06	1.3E-05
Silver		5.99E-01				7.2E-07	3.0E-05	3.1E-05
Styrene		3.29E-02	4.2E-14	9.3E-16	4.3E-14	9.9E-11	7.7E-11	1.8E-10
POLYCHLORINATED BIPHENYLS (PCBs)	SUM of PCBs	4.09E+02	3.5E-08	2.0E-09	3.7E-08	4.9E-02	1.4E-01	1.9E-01
Thallium		3.47E+00				2.6E-05	1.7E-03	1.8E-03
Toluene		7.79E-02				5.9E-10	1.1E-10	7.0E-10
TRICHLOROETHYLENE		2.82E-02	6.0E-14	7.0E-15	6.7E-14	3.4E-07	9.9E-08	4.4E-07
Vanadium		5.42E+01				3.6E-05	3.8E-04	4.2E-04
Zinc		8.51E+02				1.7E-05	4.3E-03	4.3E-03

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Nearby Adult Resident - Soil: Table CW-2
Equations to Calculate Cancer Risk for Nearby Adult Resident
Based on Construction Worker Table CW-2

Vlookup Version v0315

Cancer Risk from Particulate Inhalation - Gastrointestinal Absorption

$$ELCR_{inh\text{-}GI} = \frac{LADD_{inh\text{-}GI} * CSF_{oral}}{BW * AP_{lifetime}}$$

Cancer Risk from Particulate Inhalation - Pulmonary Absorption

$$ELCR_{inh} = LADD_{inh} * CSF_{inhalation}$$

$$LADD = \frac{EPC * RCAF_{inh} * PM_{10} * VR_{work} * RAF_{c\text{-}inh} * EF * ED_{inh} * EP * C2 * C3 * C4}{BW * AP_{lifetime}}$$

Parameter	Value	Units
CSF	OHM-specific	$(mg/kg\text{-}day)^{-1}$
LADD	age/OHM-specific	mg/kg-day
EPC	OHM-specific	mg/kg
$RAF_{c\text{-}ing}$	OHM-specific	dimensionless
$RAF_{c\text{-}inh}$	OHM-specific	dimensionless
EF	0.714	event/day
ED_{inh}	0.500	day/event
EP	129	days
C2	1.0E-09	kg/µg
C3	1440	min/days
C4	1.0E-03	m^3/L
BW	66.0	kg
$AP_{(lifetime)}$	25,550	days
VR_{work}	12	L/min
AF	0.29	mg/cm^2
$RCAF_{inh\text{-}gi}$	1.5	dimensionless
$RCAF_{inh}$	0.5	dimensionless
PM_{10}	60	$\mu g/m^3$

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Nearby Adult Resident - Soil: Table CW-3

Equations to Calculate Noncancer Risk for Construction Worker

Based on Construction Worker Table CW-3

Vlookup Version v0315

Noncancer Risk from Particulate Inhalation - Gastrointestinal Absorption

$$HQ_{inh\text{-}GI} = \frac{ADD_{inh\text{-}GI}}{RfD_{oral\text{-}subchronic}}$$

$$ADD_{inh\text{-}GI} = \frac{R_{work} * RAF_{nc\text{-}ing} * EF * ED_{inh} * EP * C2 * C3 * C4}{BW * AP_{noncancer}}$$

Noncancer Risk from Particulate Inhalation - Pulmonary Absorption

$$HQ_{inh} = \frac{ADD}{RfD_{inhalation\text{-}subchronic}}$$

$$ADD_{inh} = \frac{/R_{work} * RAF_{nc\text{-}inh} * EF * ED_{inh} * EP * C2 * C3 * C4}{BW * AP_{noncancer}}$$

Parameter	Value	Units
RfD	OHM-specific	mg/kg-day
ADD	OHM-specific	mg/kg-day
EPC	OHM-specific	mg/kg
$RAF_{nc\text{-}ing}$	OHM-specific	dimensionless
$RAF_{nc\text{-}inh}$	OHM-specific	dimensionless
EF	0.714	event/day
ED_{inh}	0.500	day/event
EP	129	days
C2	1.0E-09	kg/µg
C3	1440	min/days
C4	1.0E-03	m^3/L
BW	66.0	kg
$AP_{noncancer}$	180	days
VR_{work}	12	L/min
$RCAF_{inh\text{-}gi}$	1.5	dimensionless
$RCAF_{inh}$	0.5	dimensionless
PM10	60	$\mu g/m^3$

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Nearby Adult Resident - Soil: Table CW-4
Definitions and Exposure Factors
Based on Construction Worker Table CW-4

Vlookup Version v0315

Parameter	Value	Units	Notes
ELCR - Excess Lifetime Cancer Risk	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal, inh=inhalation)
HI - Hazard Index	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal, inh=inhalation)
CSF - Cancer Slope Factor	chemical specific	$(mg/kg\text{-}day)^{-1}$	see Table CW-5.
RfD - Reference Dose	chemical specific	mg/kg-day	see Table CW-5.
LADD - Lifetime Average Daily Dose	chemical specific	mg/kg-day	Pathway specific. See Table CW-2.
ADD - Average Daily Dose	chemical specific	mg/kg-day	Pathway specific. See Table CW-3.
EPC - Exposure Point Concentration	chemical specific	mg/kg	see Table CW-1.
RAF_c - Relative Absorption Factor for Cancer Effects	chemical specific	dimensionless	Pathway specific - see Table CW-5.
RAF_{nc} - Relative Absorption Factor for Noncancer Effects	chemical specific	dimensionless	Pathway specific - see Table CW-5.
EF - Exposure Frequency	0.714	event/day	5 events (days) / 7 events (days) in a week; MADEP 1995 Guidance for Disposal Site Risk Characterization pg B-38.
ED_{inh} - Exposure Duration for inhalation exposure	0.500	day/event	Represents an 8 hour working day plus 4 hours in off-hours
EP - Exposure Period	129	days	6 months/5 days a week; anticipated duration of construction.
BW - Body Weight	66.0	kg	U.S. EPA. 1997. Exposure Factors Handbook. Table 7-7, Adults, ages 18 - 30.
$AP_{(lifetime)}$ - Averaging Period for lifetime	25,550	days	Represents 70 years
$AP_{(noncancer)}$ - Averaging Period for noncancer	180	days	6 months; anticipated duration of construction.
VR - Ventilation Rate	12	L/min	U.S. EPA. 2011. Exposure Factors Handbook. Table 6-2, Light Intensity, Adult, ages 18-30
$IFAF_{inh\text{-}gi}$ - Ingestion Fraction Adjustment Factor, gastrointestinal	1.5	dimensionless	MADEP 2007. Characterization of Risks Due to Inhalation of Particulates by Construction Workers
$IFAF_{inh}$ - Inhalation Fraction Adjustment Factor, inhalation	0.5	dimensionless	MADEP 2002. Characterization of Risks Due to Inhalation of Particulates by Construction Workers
PM10 - Concentration of PM_{10}	60	$\mu g/m^3$	MADEP 1995 Guidance for Disposal Site Risk Characterization pg B-11

Note: Parameters in red were modified from original MassDEP Shortform.

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Nearby Adult Resident - Soil: Table CW-5
Chemical-Specific Data
Based on Construction Worker Table CW-5

Vlookup Version v0315

Oil or Hazardous Material	Oral CSF $(mg/kg\text{-}day)^{-1}$	$RAF_{c\text{-}ing}$	$RAF_{c\text{-}derm}$	$RAF_{c\text{-}inh}$	Inhalation CSF $(mg/kg\text{-}day)^{-1}$	Subchronic Oral RfD mg/kg-day	Subchronic $RAF_{nc\text{-}ing}$	Subchronic $RAF_{nc\text{-}derm}$	Subchronic $RAF_{nc\text{-}inh}$	Subchronic Inhalation RfD
TRICHLOROBENZENE, 1,2,3-						8.0E-03	1	0.5	1	
TRICHLOROBENZENE, 1,2,4-						9.0E-02	1	0.03	1	5.7E-03
DICHLOROBENZENE, 1,2- (o-DCB)						9.0E-01	1	0.03	1	6.9E-01
DICHLOROBENZENE, 1,3- (m-DCB)						9.0E-01	1	0.03	1	6.9E-01
DICHLOROBENZENE, 1,4- (p-DCB)	2.4E-02	1	0.03	1	2.4E-02	9.0E-01	1	0.03	1	6.9E-01
DIMETHYLPHENOL, 2,4-						5.0E-02	1	0.3	1	5.7E-02
METHYLNAPHTHALENE, 2-						4.0E-03	0.3	0.1	1	1.4E-01
Acenaphthene						2.0E-01	0.3	0.1	1	1.4E-01
Acenaphthylene						3.0E-01	0.3	0.1	1	1.4E-01
Anthracene						1.0E+00	0.3	0.1	1	1.4E-01
Antimony						4.0E-04	1	0.1	1	2.9E-03
Arsenic	1.5E+00	0.5	0.03	1	1.1E+01	3.0E-04	0.5	0.03	1	5.7E-06
Barium						7.0E-02	1	0.1	1	1.4E-03
Benzo(a)anthracene	7.3E-01	0.3	0.02	1	7.3E-01	3.0E-01	0.3	0.02	1	1.4E-01
Benzo(a)pyrene	7.3E+00	0.3	0.02	1	7.3E+00	3.0E-01	0.3	0.02	1	1.4E-01
Benzo(b)fluoranthene	7.3E-01	0.3	0.02	1	7.3E-01	3.0E-01	0.3	0.02	1	1.4E-01
Benzo(g,h,i)perylene						3.0E-01	0.3	0.1	1	1.4E-01
Benzo(k)fluoranthene	7.3E-02	0.3	0.02	1	7.3E-02	3.0E-01	0.3	0.02	1	1.4E-01
bis(2-Ethylhexyl)phthalate	1.4E-02	1	0.1	1	4.6E-03	2.0E-02	1	0.1	1	2.0E-03
AROMATICS C11 to C22						3.0E-01	0.3	0.1	1	1.4E-01
ALIPHATICS C19 to C36						6.0E+00	1	0.2		
ALIPHATICS C5 to C8						4.0E-01	1	0.2	1	5.7E-02
AROMATICS C9 to C10						3.0E-01	1	0.2	1	1.4E-01
ALIPHATICS C9 to C12						1.0E+00	1	0.2	1	1.7E-01
ALIPHATICS C9 to C18						1.0E+00	1	0.2	1	1.7E-01
Cadmium					6.3E+00	5.0E-04	0.5	0.01	1	5.7E-06
Carbazole	2.0E-02	1	1		2.0E-02					
Chlorobenzene						7.0E-02	1	0.03	1	1.4E-01
CHROMIUM (TOTAL)					4.2E+01	2.0E-02	1	0.1	1	8.6E-05
Chrysene	7.3E-02	0.3	0.02	1	7.3E-02	3.0E-01	0.3	0.02	1	1.4E-01
Dibenzo(a,h)anthracene	7.3E+00	0.3	0.02	1	7.3E+00	3.0E-01	0.3	0.02	1	1.4E-01
Dibenzofuran						2.0E-03	1	0.5	1	2.0E-03
Fluoranthene						1.0E-01	0.3	0.1	1	1.4E-01
Fluorene						4.0E-01	0.3	0.1	1	1.4E-01
Indeno(1,2,3-cd)pyrene	7.3E-01	0.3	0.02	1	7.3E-01	3.0E-01	0.3	0.02	1	1.4E-01
Lead						7.5E-04	0.5	0.006	1	2.9E-04
Mercury						3.0E-04	0.5	0.1	1	8.6E-05
Methyl Tert Butyl Ether						1.0E+00	1	0.03	1	8.6E-01
Naphthalene						2.0E-01	0.3	0.1	1	8.6E-04
Nickel					1.7E+00	2.0E-02	1	0.2	1	2.9E-04
Pentachlorophenol	4.0E-01	1	0.3	1	3.5E-01	5.0E-03	1	0.3	1	2.0E-05
Phenanthrene						3.0E-01	0.3	0.1	1	1.4E-01
Phenol						3.0E-01	1	0.3	1	7.4E-02
Pyrene						3.0E-01	0.3	0.1	1	1.4E-01
Selenium						5.0E-03	1	0.01	1	8.6E-04
Silver						5.0E-03	1	0.3	1	4.0E-05
Styrene	3.0E-02	1	0.03	1	2.0E-03	2.0E+00	1	0.03	1	8.6E-01
POLYCHLORINATED BIPHENYLS (PCBs)	2.0E+00	1	0.1	1	3.5E-01	5.0E-05	1	0.1	1	5.7E-06
Thallium						8.0E-04	1	0.01	1	4.0E-06
Toluene						8.0E-01	1	0.03	1	1.4E+00
TRICHLOROETHYLENE	5.0E-02	1	0.03	1	1.8E-02	5.0E-04	1	0.03	1	5.7E-04
Vanadium						9.0E-03	1	0.1	1	2.9E-04
Zinc						3.0E-01	1	0.1	1	4.0E-04

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Nearby Adult Resident - Soil: Table CW-6
Cyanide Calculations
Based on Construction Worker Table CW-6

The soil cyanide concentration limit set to protect a construction worker against an acute, potentially lethal one-time dose of cyanide from incidental ingestion of contaminated soil is 12,000 mg/kg_{soil}. This is the concentration of available cyanide in soil below which acute human health effects would not be expected following a one-time exposure. This soil concentration is calculated using the equation below with a one-time soil ingestion estimate of 50 mg_{soil} and an available cyanide dose limit of 0.01 $mg/kg_{body\ weight}$.

MassDEP's guidance on evaluating the risk from a one-time cyanide dose considers cyanide's potentially lethal effects as well as information on cyanide metabolism:

> Cyanides are detoxified rapidly by the body, and a large acute dose which overwhelms the detoxification mechanism is potentially more toxic than the same dose distributed over a period of hours. (MassDEP *Background Documentation for the Development of an Available Cyanide Benchmark Concentration,* originally dated October 1992, Modified August 1998)

Assessment of a potential one-time dose requires an estimate of the maximum soil concentration the trespasser could contact at any one time. The average soil concentration within a typical exposure area will underestimate the potential one-time dose. Therefore, to assess the acute risk of a one-time potentially lethal dose, the EPC for cyanide should be a conservative estimate of the maximum concentration.

The construction worker soil concentration limit to protect against adverse effects from an acute (one-time) exposure to cyanide is 12,000 mg/kg.

Acute Concentration Calculation for Cyanide

$$\text{Concentration} = \frac{\text{HQ x Acute Dose Limit x BW}}{\text{IR x RAF x Conversion Factor}}$$

Parameter	Value	Units
HQ (Hazard Quotient)	1	(unitless)
Acute Dose Limit	0.01	mg avail. CN/ kg BW
BW (Body Weight) $_{11\text{-}12}$	58	kg
IR $_{(1\text{-time reasonable max})}$	50	mg
Conversion Factor	1.0E-06	kg soil / mg soil
RAF	1	(unitless)

The toxicological basis for estimating an allowable one-time dose is documented in MassDEP's 1992 *Background Documentation for the Development of an "Available Cyanide" Benchmark Concentration,* which is published at: http://www.mass.gov/eea/docs/dep/toxics/stypes/dscyanide.pdf

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Method 3 Risk Assessment for Chemicals in Soil - Nearby Child Resident

Based on Construction Worker Shortform 2012 (sf12cw)

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Exp	Table CW-4: Definitions and exposure factors
Chem	Table CW-5: Chemical-specific data
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Nearby Child Resident - Soil: Table CW-1
Exposure Point Concentration (EPC) and Risk
Based on Construction Worker Table CW-1

ShortForm Version 10-12
Vlookup Version v0315

ELCR (all chemicals) = 4E-08
HI (all chemicals) = 2E-01

****Do not insert or delete any rows****
Click on empty cell below and select OHM using arrow.

Oil or Hazardous Material (OHM)		EPC (mg/kg)	ELCR inhalation GI	ELCR inhalation pulmonary	$ELCR_{total}$	HQ_{inh-GI}	HQ_{inh}	HQ_{total}
TRICHLOROBENZENE, 1,2,3-	1,2,3-Trichlorobenzene	4.69E-01				2.6E-07		2.6E-07
TRICHLOROBENZENE, 1,2,4-	1,2,4-Trichlorobenzene	2.56E+00				1.3E-07	6.7E-07	8.0E-07
DICHLOROBENZENE, 1,2- (o-DCB)	1,2-Dichlorobenzene	5.20E-02				2.6E-10	1.1E-10	3.7E-10
DICHLOROBENZENE, 1,3- (m-DCB)	1,3-Dichlorobenzene	8.93E-01				4.5E-09	2.0E-09	6.4E-09
DICHLOROBENZENE, 1,4- (p-DCB)	1,4-Dichlorobenzene	1.82E+00	1.4E-12	4.6E-13	1.8E-12	9.1E-09	4.0E-09	1.3E-08
DIMETHYLPHENOL, 2,4-	2,4-Dimethylphenol	3.34E-01				3.0E-08	8.8E-09	3.9E-08
METHYLNAPHTHALENE, 2-	2-Methylnaphthalene	5.04E-01				1.7E-07	5.3E-09	1.8E-07
Acenaphthene		5.87E-01				4.0E-09	6.2E-09	1.0E-08
Acenaphthylene		3.60E-01				1.6E-09	3.8E-09	5.4E-09
Anthracene		1.20E+00				1.6E-09	1.3E-08	1.4E-08
Antimony		7.22E+01				8.1E-04	3.8E-05	8.5E-04
Arsenic		4.73E+00	1.1E-10	5.2E-10	6.4E-10	3.5E-05	1.2E-03	1.3E-03
Barium		1.94E+02				1.2E-05	2.0E-04	2.2E-04
Benzo(a)anthracene		5.15E+00	3.6E-11	4.0E-11	7.5E-11	2.3E-08	5.4E-08	7.7E-08
Benzo(a)pyrene		4.36E+00	3.0E-10	3.4E-10	6.4E-10	2.0E-08	4.6E-08	6.5E-08
Benzo(b)fluoranthene		6.09E+00	4.2E-11	4.7E-11	8.9E-11	2.7E-08	6.4E-08	9.1E-08
Benzo(g,h,i)perylene		7.88E-01				3.5E-09	8.3E-09	1.2E-08
Benzo(k)fluoranthene		1.05E+00	7.3E-13	8.1E-13	1.5E-12	4.7E-09	1.1E-08	1.6E-08
bis(2-Ethylhexyl)phthalate		1.13E+00	5.0E-13	5.4E-14	5.5E-13	2.5E-07	8.4E-07	1.1E-06
AROMATICS C11 to C22	C11-C22 AROMATICS, ADJ.	6.20E+02				2.8E-06	6.5E-06	9.3E-06
ALIPHATICS C19 to C36	C19-C36 ALIPHATICS	6.66E+02				5.0E-07		5.0E-07
ALIPHATICS C5 to C8	C5-C8 ALIPHATICS, ADJ.	1.80E+00				2.0E-08	4.7E-08	6.8E-08
AROMATICS C9 to C10	C9-C10 AROMATICS	7.92E+00				1.2E-07	8.3E-08	2.0E-07
ALIPHATICS C9 to C12	C9-C12 ALIPHATICS, ADJ.	1.77E+00				7.9E-09	1.5E-08	2.3E-08
ALIPHATICS C9 to C18	C9-C18 ALIPHATICS	1.02E+02				4.6E-07	8.9E-07	1.3E-06
Cadmium		3.98E+00		2.7E-10	2.7E-10	1.8E-05	1.0E-03	1.1E-03
Carbazole		6.58E-01	4.2E-13		4.2E-13			
Chlorobenzene		2.07E+00				1.3E-07	2.2E-08	1.5E-07
CHROMIUM (TOTAL)	Chromium	3.26E+01		1.4E-08	1.4E-08	7.3E-06	5.7E-04	5.8E-04
Chrysene		4.98E+00	3.5E-12	3.8E-12	7.3E-12	2.2E-08	5.2E-08	7.5E-08
Dibenzo(a,h)anthracene		3.57E-01	2.5E-11	2.8E-11	5.2E-11	1.6E-09	3.8E-09	5.4E-09
Dibenzofuran		6.08E-01				1.4E-06	4.6E-07	1.8E-06
Fluoranthene		5.36E+00				7.2E-08	5.6E-08	1.3E-07
Fluorene		7.36E-01				2.5E-09	7.7E-09	1.0E-08
Indeno(1,2,3-cd)pyrene		1.83E+00	1.3E-11	1.4E-11	2.7E-11	8.3E-09	1.9E-08	2.8E-08
Lead		3.76E+03				1.1E-02	2.0E-02	3.1E-02
Mercury		5.91E+00				4.4E-05	1.0E-04	1.5E-04
Methyl Tert Butyl Ether		2.68E-02				1.2E-10	4.7E-11	1.7E-10
Naphthalene		2.50E+00				1.7E-08	4.4E-06	4.4E-06
Nickel		3.29E+01		5.8E-10	5.8E-10	7.4E-06	1.7E-04	1.8E-04
Pentachlorophenol		4.84E-01	6.1E-12	1.8E-12	7.9E-12	4.4E-07	3.6E-05	3.7E-05
Phenanthrene		4.74E+00				2.1E-08	5.0E-08	7.1E-08
Phenol		3.55E-01				5.3E-09	7.2E-09	1.2E-08
Pyrene		4.33E+00				1.9E-08	4.5E-08	6.5E-08
Selenium		3.54E+00				3.2E-06	6.2E-06	9.4E-06
Silver		5.99E-01				5.4E-07	2.2E-05	2.3E-05
Styrene		3.29E-02	3.1E-14	6.9E-16	3.2E-14	7.4E-11	5.8E-11	1.3E-10
POLYCHLORINATED BIPHENYLS (PCBs)	SUM of PCBs	4.09E+02	2.6E-08	1.5E-09	2.7E-08	3.7E-02	1.1E-01	1.4E-01
Thallium		3.47E+00				2.0E-05	1.3E-03	1.3E-03
Toluene		7.79E-02				4.4E-10	8.2E-11	5.2E-10
TRICHLOROETHYLENE		2.82E-02	4.5E-14	5.2E-15	5.0E-14	2.5E-07	7.4E-08	3.3E-07
Vanadium		5.42E+01				2.7E-05	2.8E-04	3.1E-04
Zinc		8.51E+02				1.3E-05	3.2E-03	3.2E-03

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Nearby Child Resident - Soil: Table CW-2
Equations to Calculate Cancer Risk for Nearby Adult Resident
Based on Construction Worker Table CW-2

Vlookup Version v0315

Cancer Risk from Particulate Inhalation - Gastrointestinal Absorption

$$ELCR_{inh\text{-}GI} = \frac{LADD_{inh\text{-}GI} * CSF_{oral}}{BW * AP_{lifetime}}$$

Cancer Risk from Particulate Inhalation - Pulmonary Absorption

$$ELCR_{inh} = LADD_{inh} * CSF_{inhalation}$$

$$LADD = \frac{EPC * RCAF_{inh} * PM_{10} * VR_{work} * RAF_{c\text{-}inh} * EF * ED_{inh} * EP * C2 * C3 * C4}{BW * AP_{lifetime}}$$

Parameter	Value	Units
CSF	OHM-specific	$(mg/kg\text{-}day)^{-1}$
LADD	age/OHM-specific	mg/kg-day
EPC	OHM-specific	mg/kg
$RAF_{c\text{-}ing}$	OHM-specific	dimensionless
$RAF_{c\text{-}inh}$	OHM-specific	dimensionless
EF	0.714	event/day
ED_{inh}	0.500	day/event
EP	129	days
C2	1.0E-09	kg/µg
C3	1440	min/days
C4	1.0E-03	m^3/L
BW	11.2	kg
$AP_{(lifetime)}$	25,550	days
VR_{work}	1.52	L/min
AF	0.29	mg/cm^2
$RCAF_{inh\text{-}gi}$	1.5	dimensionless
$RCAF_{inh}$	0.5	dimensionless
PM_{10}	60	$\mu g/m^3$

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Nearby Child Resident - Soil: Table CW-3

Equations to Calculate Noncancer Risk for Construction Worker

Based on Construction Worker Table CW-3

Vlookup Version v0315

Noncancer Risk from Particulate Inhalation - Gastrointestinal Absorption

$$HQ_{inh\text{-}GI} = \frac{ADD_{inh\text{-}GI}}{RfD_{oral\text{-}subchronic}}$$

$$ADD_{inh\text{-}GI} = \frac{R_{work} * RAF_{nc\text{-}ing} * EF * ED_{inh} * EP * C2 * C3 * C4}{BW * AP_{noncancer}}$$

Noncancer Risk from Particulate Inhalation - Pulmonary Absorption

$$HQ_{inh} = \frac{ADD}{RfD_{inhalation\text{-}subchronic}}$$

$$ADD_{inh} = \frac{/R_{work} * RAF_{nc\text{-}inh} * EF * ED_{inh} * EP * C2 * C3 * C4}{BW * AP_{noncancer}}$$

Parameter	Value	Units
RfD	OHM-specific	mg/kg-day
ADD	OHM-specific	mg/kg-day
EPC	OHM-specific	mg/kg
$RAF_{nc\text{-}ing}$	OHM-specific	dimensionless
$RAF_{nc\text{-}inh}$	OHM-specific	dimensionless
EF	0.714	event/day
ED_{inh}	0.500	day/event
EP	129	days
C2	1.0E-09	kg/µg
C3	1440	min/days
C4	1.0E-03	m^3/L
BW	11.2	kg
$AP_{noncancer}$	180	days
VR_{work}	1.52	L/min
$RCAF_{inh\text{-}gi}$	1.5	dimensionless
$RCAF_{inh}$	0.5	dimensionless
PM10	60	$\mu g/m^3$

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Nearby Child Resident - Soil: Table CW-4
Definitions and Exposure Factors
Based on Construction Worker Table CW-4

Vlookup Version v0315

Parameter	Value	Units	Notes
ELCR - Excess Lifetime Cancer Risk	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal, inh=inhalation)
HI - Hazard Index	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal, inh=inhalation)
CSF - Cancer Slope Factor	chemical specific	$(mg/kg\text{-}day)^{-1}$	see Table CW-5.
RfD - Reference Dose	chemical specific	mg/kg-day	see Table CW-5.
LADD - Lifetime Average Daily Dose	chemical specific	mg/kg-day	Pathway specific. See Table CW-2.
ADD - Average Daily Dose	chemical specific	mg/kg-day	Pathway specific. See Table CW-3.
EPC - Exposure Point Concentration	chemical specific	mg/kg	see Table CW-1.
RAF_c - Relative Absorption Factor for Cancer Effects	chemical specific	dimensionless	Pathway specific - see Table CW-5.
RAF_{nc} - Relative Absorption Factor for Noncancer Effects	chemical specific	dimensionless	Pathway specific - see Table CW-5.
EF - Exposure Frequency	0.714	event/day	5 events (days) / 7 events (days) in a week; MADEP 1995 Guidance for Disposal Site Risk Characterization pg B-38.
ED_{inh} - Exposure Duration for inhalation exposure	0.500	day/event	Represents an 8 hour working day plus 4 hours in off-hours
EP - Exposure Period	129	days	6 months/5 days a week; anticipated duration of construction.
BW - Body Weight	11.2	kg	U.S. EPA. 1997. Exposure Factors Handbook. Table 7-7, Child age 1-2
$AP_{(lifetime)}$ - Averaging Period for lifetime	25,550	days	Represents 70 years
$AP_{(noncancer)}$ - Averaging Period for noncancer	180	days	6 months; anticipated duration of construction.
VR_{work} - Ventilation Rate during work (heavy exertion)	1.52	L/min	Child,1-2 years old, light exertion
$IFAF_{inh\text{-}gi}$ - Ingestion Fraction Adjustment Factor, gastrointestinal	1.5	dimensionless	MADEP 2007. Characterization of Risks Due to Inhalation of Particulates by Construction Workers
$IFAF_{inh}$ - Inhalation Fraction Adjustment Factor, inhalation	0.5	dimensionless	MADEP 2002. Characterization of Risks Due to Inhalation of Particulates by Construction Workers
PM10 - Concentration of PM_{10}	60	$\mu g/m^3$	MADEP 1995 Guidance for Disposal Site Risk Characterization pg B-11

Note: Parameters in red were modified from original MassDEP Shortform.

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Nearby Child Resident - Soil: Table CW-5
Chemical-Specific Data
Based on Construction Worker Table CW-5

Vlookup Version v0315

Oil or Hazardous Material	Oral CSF $(mg/kg\text{-}day)^{-1}$	$RAF_{c\text{-}ing}$	$RAF_{c\text{-}derm}$	$RAF_{c\text{-}inh}$	Inhalation CSF $(mg/kg\text{-}day)^{-1}$	Subchronic Oral RfD mg/kg-day	Subchronic $RAF_{nc\text{-}ing}$	Subchronic $RAF_{nc\text{-}derm}$	Subchronic $RAF_{nc\text{-}inh}$	Subchronic Inhalation RfD
TRICHLOROBENZENE, 1,2,3-						8.0E-03	1	0.5	1	
TRICHLOROBENZENE, 1,2,4-						9.0E-02	1	0.03	1	5.7E-03
DICHLOROBENZENE, 1,2- (o-DCB)						9.0E-01	1	0.03	1	6.9E-01
DICHLOROBENZENE, 1,3- (m-DCB)						9.0E-01	1	0.03	1	6.9E-01
DICHLOROBENZENE, 1,4- (p-DCB)	2.4E-02	1	0.03	1	2.4E-02	9.0E-01	1	0.03	1	6.9E-01
DIMETHYLPHENOL, 2,4-						5.0E-02	1	0.3	1	5.7E-02
METHYLNAPHTHALENE, 2-						4.0E-03	0.3	0.1	1	1.4E-01
Acenaphthene						2.0E-01	0.3	0.1	1	1.4E-01
Acenaphthylene						3.0E-01	0.3	0.1	1	1.4E-01
Anthracene						1.0E+00	0.3	0.1	1	1.4E-01
Antimony						4.0E-04	1	0.1	1	2.9E-03
Arsenic	1.5E+00	0.5	0.03	1	1.1E+01	3.0E-04	0.5	0.03	1	5.7E-06
Barium						7.0E-02	1	0.1	1	1.4E-03
Benzo(a)anthracene	7.3E-01	0.3	0.02	1	7.3E-01	3.0E-01	0.3	0.02	1	1.4E-01
Benzo(a)pyrene	7.3E+00	0.3	0.02	1	7.3E+00	3.0E-01	0.3	0.02	1	1.4E-01
Benzo(b)fluoranthene	7.3E-01	0.3	0.02	1	7.3E-01	3.0E-01	0.3	0.02	1	1.4E-01
Benzo(g,h,i)perylene						3.0E-01	0.3	0.1	1	1.4E-01
Benzo(k)fluoranthene	7.3E-02	0.3	0.02	1	7.3E-02	3.0E-01	0.3	0.02	1	1.4E-01
bis(2-Ethylhexyl)phthalate	1.4E-02	1	0.1	1	4.6E-03	2.0E-02	1	0.1	1	2.0E-03
AROMATICS C11 to C22						3.0E-01	0.3	0.1	1	1.4E-01
ALIPHATICS C19 to C36						6.0E+00	1	0.2		
ALIPHATICS C5 to C8						4.0E-01	1	0.2	1	5.7E-02
AROMATICS C9 to C10						3.0E-01	1	0.2	1	1.4E-01
ALIPHATICS C9 to C12						1.0E+00	1	0.2	1	1.7E-01
ALIPHATICS C9 to C18						1.0E+00	1	0.2	1	1.7E-01
Cadmium					6.3E+00	5.0E-04	0.5	0.01	1	5.7E-06
Carbazole	2.0E-02	1	1		2.0E-02					
Chlorobenzene						7.0E-02	1	0.03	1	1.4E-01
CHROMIUM (TOTAL)					4.2E+01	2.0E-02	1	0.1	1	8.6E-05
Chrysene	7.3E-02	0.3	0.02	1	7.3E-02	3.0E-01	0.3	0.02	1	1.4E-01
Dibenzo(a,h)anthracene	7.3E+00	0.3	0.02	1	7.3E+00	3.0E-01	0.3	0.02	1	1.4E-01
Dibenzofuran						2.0E-03	1	0.5	1	2.0E-03
Fluoranthene						1.0E-01	0.3	0.1	1	1.4E-01
Fluorene						4.0E-01	0.3	0.1	1	1.4E-01
Indeno(1,2,3-cd)pyrene	7.3E-01	0.3	0.02	1	7.3E-01	3.0E-01	0.3	0.02	1	1.4E-01
Lead						7.5E-04	0.5	0.006	1	2.9E-04
Mercury						3.0E-04	0.5	0.1	1	8.6E-05
Methyl Tert Butyl Ether						1.0E+00	1	0.03	1	8.6E-01
Naphthalene						2.0E-01	0.3	0.1	1	8.6E-04
Nickel					1.7E+00	2.0E-02	1	0.2	1	2.9E-04
Pentachlorophenol	4.0E-01	1	0.3	1	3.5E-01	5.0E-03	1	0.3	1	2.0E-05
Phenanthrene						3.0E-01	0.3	0.1	1	1.4E-01
Phenol						3.0E-01	1	0.3	1	7.4E-02
Pyrene						3.0E-01	0.3	0.1	1	1.4E-01
Selenium						5.0E-03	1	0.01	1	8.6E-04
Silver						5.0E-03	1	0.3	1	4.0E-05
Styrene	3.0E-02	1	0.03	1	2.0E-03	2.0E+00	1	0.03	1	8.6E-01
POLYCHLORINATED BIPHENYLS (PCBs)	2.0E+00	1	0.1	1	3.5E-01	5.0E-05	1	0.1	1	5.7E-06
Thallium						8.0E-04	1	0.01	1	4.0E-06
Toluene						8.0E-01	1	0.03	1	1.4E+00
TRICHLOROETHYLENE	5.0E-02	1	0.03	1	1.8E-02	5.0E-04	1	0.03	1	5.7E-04
Vanadium						9.0E-03	1	0.1	1	2.9E-04
Zinc						3.0E-01	1	0.1	1	4.0E-04

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Nearby Child Resident - Soil: Table CW-6
Cyanide Calculations
Based on Construction Worker Table CW-6

The soil cyanide concentration limit set to protect a construction worker against an acute, potentially lethal one-time dose of cyanide from incidental ingestion of contaminated soil is 12,000 mg/kg_{soil}. This is the concentration of available cyanide in soil below which acute human health effects would not be expected following a one-time exposure. This soil concentration is calculated using the equation below with a one-time soil ingestion estimate of 50 mg_{soil} and an available cyanide dose limit of 0.01 $mg/kg_{body\ weight}$.

MassDEP's guidance on evaluating the risk from a one-time cyanide dose considers cyanide's potentially lethal effects as well as information on cyanide metabolism:

> Cyanides are detoxified rapidly by the body, and a large acute dose which overwhelms the detoxification mechanism is potentially more toxic than the same dose distributed over a period of hours. (MassDEP *Background Documentation for the Development of an Available Cyanide Benchmark Concentration,* originally dated October 1992, Modified August 1998)

Assessment of a potential one-time dose requires an estimate of the maximum soil concentration the trespasser could contact at any one time. The average soil concentration within a typical exposure area will underestimate the potential one-time dose. Therefore, to assess the acute risk of a one-time potentially lethal dose, the EPC for cyanide should be a conservative estimate of the maximum concentration.

The construction worker soil concentration limit to protect against adverse effects from an acute (one-time) exposure to cyanide is 12,000 mg/kg.

Acute Concentration Calculation for Cyanide

$$\text{Concentration} = \frac{\text{HQ x Acute Dose Limit x BW}}{\text{IR x RAF x Conversion Factor}}$$

Parameter	Value	Units
HQ (Hazard Quotient)	1	(unitless)
Acute Dose Limit	0.01	mg avail. CN/ kg BW
BW (Body Weight) 11-12	58	kg
IR (1-time reasonable max)	50	mg
Conversion Factor	1.0E-06	kg soil / mg soil
RAF	1	(unitless)

The toxicological basis for estimating an allowable one-time dose is documented in MassDEP's 1992 *Background Documentation for the Development of an "Available Cyanide" Benchmark Concentration,* which is published at: http://www.mass.gov/eea/docs/dep/toxics/stypes/dscyanide.pdf

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Attachment B
ProUCL Output

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

1,2,3-Trichlorobenzene-VOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	53
		Number of Missing Observations	232
Number of Detects	14	Number of Non-Detects	150
Number of Distinct Detects	14	Number of Distinct Non-Detects	41
Minimum Detect	0.0053	Minimum Non-Detect	0.0014
Maximum Detect	9.6	Maximum Non-Detect	0.92
Variance Detects	11.52	Percent Non-Detects	91.46%
Mean Detects	2.138	SD Detects	3.394
Median Detects	0.525	CV Detects	1.588
Skewness Detects	1.617	Kurtosis Detects	1.122
Mean of Logged Detects	-1.114	SD of Logged Detects	2.495

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.663	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.874	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.325	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.226	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.184	KM Standard Error of Mean	0.0913
KM SD	1.127	95% KM (BCA) UCL	0.367
95% KM (t) UCL	0.335	95% KM (Percentile Bootstrap) UCL	0.344
95% KM (z) UCL	0.334	95% KM Bootstrap t UCL	0.656
90% KM Chebyshev UCL	0.458	95% KM Chebyshev UCL	0.582
97.5% KM Chebyshev UCL	0.754	99% KM Chebyshev UCL	1.093

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.503	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.821	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.17	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.246	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.358	k star (bias corrected MLE)	0.329
Theta hat (MLE)	5.98	Theta star (bias corrected MLE)	6.508
nu hat (MLE)	10.01	nu star (bias corrected)	9.2
Mean (detects)	2.138		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.0053	Mean	0.192
Maximum	9.6	Median	0.01
SD	1.129	CV	5.89
k hat (MLE)	0.265	k star (bias corrected MLE)	0.264
Theta hat (MLE)	0.723	Theta star (bias corrected MLE)	0.725
nu hat (MLE)	86.92	nu star (bias corrected)	86.66
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (86.66, α)	66.2	Adjusted Chi Square Value (86.66, β)	66.05
95% Gamma Approximate UCL (use when n>=50)	0.251	95% Gamma Adjusted UCL (use when n<50)	0.251

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.184	SD (KM)	1.127
Variance (KM)	1.27	SE of Mean (KM)	0.0913
k hat (KM)	0.0267	k star (KM)	0.0302
nu hat (KM)	8.742	nu star (KM)	9.916
theta hat (KM)	6.902	theta star (KM)	6.085
80% gamma percentile (KM)	0.00218	90% gamma percentile (KM)	0.109
95% gamma percentile (KM)	0.717	99% gamma percentile (KM)	4.74

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (9.92, α)	3.889	Adjusted Chi Square Value (9.92, β)	3.856
95% Gamma Approximate KM-UCL (use when n>=50)	0.469	95% Gamma Adjusted KM-UCL (use when n<50)	0.473

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.925	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.874	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.174	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.226	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.183	Mean in Log Scale	-12.6
SD in Original Scale	1.13	SD in Log Scale	5.415
95% t UCL (assumes normality of ROS data)	0.329	95% Percentile Bootstrap UCL	0.33
95% BCA Bootstrap UCL	0.411	95% Bootstrap t UCL	0.468
95% H-UCL (Log ROS)	191.7		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-6.094	KM Geo Mean	0.00226
KM SD (logged)	1.684	95% Critical H Value (KM-Log)	2.836
KM Standard Error of Mean (logged)	0.137	95% H-UCL (KM -Log)	0.0135
KM SD (logged)	1.684	95% Critical H Value (KM-Log)	2.836
KM Standard Error of Mean (logged)	0.137		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.196	Mean in Log Scale	-5.345
SD in Original Scale	1.13	SD in Log Scale	1.808
95% t UCL (Assumes normality)	0.342	95% H-Stat UCL	0.0373

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	0.469

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

1,2,4-Trichlorobenzene-VOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	53
		Number of Missing Observations	232
Number of Detects	17	Number of Non-Detects	147
Number of Distinct Detects	16	Number of Distinct Non-Detects	38

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Minimum Detect	0.016	Minimum Non-Detect	0.0014
Maximum Detect	100	Maximum Non-Detect	0.92
Variance Detects	622.2	Percent Non-Detects	89.63%
Mean Detects	10.19	SD Detects	24.94
Median Detects	1	CV Detects	2.447
Skewness Detects	3.338	Kurtosis Detects	11.78
Mean of Logged Detects	0.0527	SD of Logged Detects	2.407

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.467	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.892	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.381	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.207	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	1.058	KM Standard Error of Mean	0.675
KM SD	8.388	95% KM (BCA) UCL	2.438
95% KM (t) UCL	2.175	95% KM (Percentile Bootstrap) UCL	2.291
95% KM (z) UCL	2.169	95% KM Bootstrap t UCL	9.397
90% KM Chebyshev UCL	3.084	95% KM Chebyshev UCL	4.001
97.5% KM Chebyshev UCL	5.274	99% KM Chebyshev UCL	7.776

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.985	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.841	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.25	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.227	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.303	k star (bias corrected MLE)	0.289
Theta hat (MLE)	33.61	Theta star (bias corrected MLE)	35.27
nu hat (MLE)	10.31	nu star (bias corrected)	9.827
Mean (detects)	10.19		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.066
Maximum	100	Median	0.01
SD	8.412	CV	7.893
k hat (MLE)	0.179	k star (bias corrected MLE)	0.18
Theta hat (MLE)	5.959	Theta star (bias corrected MLE)	5.932
nu hat (MLE)	58.67	nu star (bias corrected)	58.93
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (58.93, α)	42.28	Adjusted Chi Square Value (58.93, β)	42.15
95% Gamma Approximate UCL (use when n>=50)	1.485	95% Gamma Adjusted UCL (use when n<50)	1.49

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	1.058	SD (KM)	8.388
Variance (KM)	70.35	SE of Mean (KM)	0.675
k hat (KM)	0.0159	k star (KM)	0.0197
nu hat (KM)	5.221	nu star (KM)	6.459
theta hat (KM)	66.48	theta star (KM)	53.74
80% gamma percentile (KM)	3.6726E-4	90% gamma percentile (KM)	0.146

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

95% gamma percentile (KM)	2.365	99% gamma percentile (KM)	29.62

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (6.46, α)	1.879	Adjusted Chi Square Value (6.46, β)	1.857
95% Gamma Approximate KM-UCL (use when n>=50)	3.638	95% Gamma Adjusted KM-UCL (use when n<50)	3.681

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.972	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.892	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.108	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.207	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.058	Mean in Log Scale	-10.63
SD in Original Scale	8.413	SD in Log Scale	5.383
95% t UCL (assumes normality of ROS data)	2.144	95% Percentile Bootstrap UCL	2.227
95% BCA Bootstrap UCL	3.027	95% Bootstrap t UCL	6.088
95% H-UCL (Log ROS)	1121		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-5.88	KM Geo Mean	0.0028
KM SD (logged)	2.158	95% Critical H Value (KM-Log)	3.374
KM Standard Error of Mean (logged)	0.174	95% H-UCL (KM -Log)	0.0507
KM SD (logged)	2.158	95% Critical H Value (KM-Log)	3.374
KM Standard Error of Mean (logged)	0.174		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1.067	Mean in Log Scale	-5.217
SD in Original Scale	8.412	SD in Log Scale	2.144
95% t UCL (Assumes normality)	2.153	95% H-Stat UCL	0.0949

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

KM H-UCL	0.0507

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

1,4-Dichlorobenzene-VOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	42
		Number of Missing Observations	232
Number of Detects	10	Number of Non-Detects	154
Number of Distinct Detects	10	Number of Distinct Non-Detects	33
Minimum Detect	0.0019	Minimum Non-Detect	0.0011
Maximum Detect	36	Maximum Non-Detect	0.92
Variance Detects	221.3	Percent Non-Detects	93.9%
Mean Detects	10.98	SD Detects	14.88
Median Detects	1.9	CV Detects	1.355
Skewness Detects	1.062	Kurtosis Detects	-0.84
Mean of Logged Detects	0.44	SD of Logged Detects	3.134

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.725	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.842	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.327	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.262	Detected Data Not Normal at 5% Significance Level	

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.67	KM Standard Error of Mean	0.359
KM SD	4.364	95% KM (BCA) UCL	1.313
95% KM (t) UCL	1.265	95% KM (Percentile Bootstrap) UCL	1.296
95% KM (z) UCL	1.261	95% KM Bootstrap t UCL	1.663
90% KM Chebyshev UCL	1.748	95% KM Chebyshev UCL	2.236
97.5% KM Chebyshev UCL	2.914	99% KM Chebyshev UCL	4.245

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.342	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.805	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.175	**Kolmogorov-Smirnov GOF**	
5% K-S Critical Value	0.286	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.345	k star (bias corrected MLE)	0.308
Theta hat (MLE)	31.84	Theta star (bias corrected MLE)	35.64
nu hat (MLE)	6.895	nu star (bias corrected)	6.16
Mean (detects)	10.98		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.0019	Mean	0.679
Maximum	36	Median	0.01
SD	4.376	CV	6.448
k hat (MLE)	0.19	k star (bias corrected MLE)	0.19
Theta hat (MLE)	3.577	Theta star (bias corrected MLE)	3.566
nu hat (MLE)	62.24	nu star (bias corrected)	62.43
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (62.43, α)	45.26	Adjusted Chi Square Value (62.43, β)	45.13
95% Gamma Approximate UCL (use when n>=50)	0.936	95% Gamma Adjusted UCL (use when n<50)	0.939

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.67	SD (KM)	4.364
Variance (KM)	19.05	SE of Mean (KM)	0.359
k hat (KM)	0.0236	k star (KM)	0.0272
nu hat (KM)	7.741	nu star (KM)	8.933
theta hat (KM)	28.41	theta star (KM)	24.62
80% gamma percentile (KM)	0.00391	90% gamma percentile (KM)	0.299
95% gamma percentile (KM)	2.354	99% gamma percentile (KM)	17.74

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (8.93, α)	3.287	Adjusted Chi Square Value (8.93, β)	3.256
95% Gamma Approximate KM-UCL (use when n>=50)	1.822	95% Gamma Adjusted KM-UCL (use when n<50)	1.839

Lognormal GOF Test on Detected Observations Only

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Shapiro Wilk Test Statistic	0.877	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.221	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.262	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.67	Mean in Log Scale	-15.73
SD in Original Scale	4.378	SD in Log Scale	7.123
95% t UCL (assumes normality of ROS data)	1.235	95% Percentile Bootstrap UCL	1.291
95% BCA Bootstrap UCL	1.511	95% Bootstrap t UCL	1.737
95% H-UCL (Log ROS)	3689461		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-6.355	KM Geo Mean	0.00174
KM SD (logged)	1.885	95% Critical H Value (KM-Log)	3.059
KM Standard Error of Mean (logged)	0.156	95% H-UCL (KM -Log)	0.0161
KM SD (logged)	1.885	95% Critical H Value (KM-Log)	3.059
KM Standard Error of Mean (logged)	0.156		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.686	Mean in Log Scale	-5.459
SD in Original Scale	4.376	SD in Log Scale	2.109
95% t UCL (Assumes normality)	1.251	95% H-Stat UCL	0.068

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	1.822

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Chlorobenzene-VOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	42
		Number of Missing Observations	232
Number of Detects	8	Number of Non-Detects	156
Number of Distinct Detects	8	Number of Distinct Non-Detects	34
Minimum Detect	0.012	Minimum Non-Detect	0.0011
Maximum Detect	53	Maximum Non-Detect	0.92
Variance Detects	356.9	Percent Non-Detects	95.12%
Mean Detects	13.29	SD Detects	18.89
Median Detects	6.6	CV Detects	1.422
Skewness Detects	1.678	Kurtosis Detects	2.276
Mean of Logged Detects	0.258	SD of Logged Detects	3.425

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.76	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.818	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.319	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.283	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.649	KM Standard Error of Mean	0.404
KM SD	4.84	95% KM (BCA) UCL	1.375
95% KM (t) UCL	1.318	95% KM (Percentile Bootstrap) UCL	1.348
95% KM (z) UCL	1.314	95% KM Bootstrap t UCL	3.044
90% KM Chebyshev UCL	1.861	95% KM Chebyshev UCL	2.41
97.5% KM Chebyshev UCL	3.172	99% KM Chebyshev UCL	4.669

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.408	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.799	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.219	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.317	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.297	k star (bias corrected MLE)	0.269
Theta hat (MLE)	44.78	Theta star (bias corrected MLE)	49.44
nu hat (MLE)	4.747	nu star (bias corrected)	4.3
Mean (detects)	13.29		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.658
Maximum	53	Median	0.01
SD	4.854	CV	7.38
k hat (MLE)	0.188	k star (bias corrected MLE)	0.189
Theta hat (MLE)	3.495	Theta star (bias corrected MLE)	3.484
nu hat (MLE)	61.71	nu star (bias corrected)	61.91
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (61.91, α)	44.82	Adjusted Chi Square Value (61.91, β)	44.69
95% Gamma Approximate UCL (use when n>=50)	0.909	95% Gamma Adjusted UCL (use when n<50)	0.911

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.649	SD (KM)	4.84
Variance (KM)	23.42	SE of Mean (KM)	0.404
k hat (KM)	0.018	k star (KM)	0.0217
nu hat (KM)	5.902	nu star (KM)	7.127
theta hat (KM)	36.08	theta star (KM)	29.88
80% gamma percentile (KM)	5.9217E-4	90% gamma percentile (KM)	0.134
95% gamma percentile (KM)	1.702	99% gamma percentile (KM)	17.94

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (7.13, α)	2.241	Adjusted Chi Square Value (7.13, β)	2.217
95% Gamma Approximate KM-UCL (use when n>=50)	2.065	95% Gamma Adjusted KM-UCL (use when n<50)	2.088

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.849	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.818	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.251	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.283	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Mean in Original Scale	0.648	Mean in Log Scale	-20.36
SD in Original Scale	4.855	SD in Log Scale	8.482
95% t UCL (assumes normality of ROS data)	1.275	95% Percentile Bootstrap UCL	1.379
95% BCA Bootstrap UCL	1.725	95% Bootstrap t UCL	3.183
95% H-UCL (Log ROS)	1.382E+10		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-6.462	KM Geo Mean	0.00156
KM SD (logged)	1.684	95% Critical H Value (KM-Log)	2.835
KM Standard Error of Mean (logged)	0.141	95% H-UCL (KM -Log)	0.00936
KM SD (logged)	1.684	95% Critical H Value (KM-Log)	2.835
KM Standard Error of Mean (logged)	0.141		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.67	Mean in Log Scale	-5.461
SD in Original Scale	4.852	SD in Log Scale	2.052
95% t UCL (Assumes normality)	1.297	95% H-Stat UCL	0.0588

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	2.065

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Naphthalene-VOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	53
		Number of Missing Observations	232
Number of Detects	25	Number of Non-Detects	139
Number of Distinct Detects	21	Number of Distinct Non-Detects	38
Minimum Detect	0.005	Minimum Non-Detect	0.0027
Maximum Detect	53	Maximum Non-Detect	0.92
Variance Detects	110.7	Percent Non-Detects	84.76%
Mean Detects	2.579	SD Detects	10.52
Median Detects	0.33	CV Detects	4.08
Skewness Detects	4.971	Kurtosis Detects	24.8
Mean of Logged Detects	-2.096	SD of Logged Detects	2.562

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.247	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.467	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.173	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.396	KM Standard Error of Mean	0.329
KM SD	4.131	95% KM (BCA) UCL	1.051
95% KM (t) UCL	0.941	95% KM (Percentile Bootstrap) UCL	1.041
95% KM (z) UCL	0.937	95% KM Bootstrap t UCL	7.222
90% KM Chebyshev UCL	1.384	95% KM Chebyshev UCL	1.831

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

97.5% KM Chebyshev UCL	2.452	99% KM Chebyshev UCL	3.672

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.397	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.883	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.239	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.192	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.236	k star (bias corrected MLE)	0.234
Theta hat (MLE)	10.95	Theta star (bias corrected MLE)	11.02
nu hat (MLE)	11.78	nu star (bias corrected)	11.7
Mean (detects)	2.579		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.005	Mean	0.402
Maximum	53	Median	0.01
SD	4.143	CV	10.31
k hat (MLE)	0.219	k star (bias corrected MLE)	0.219
Theta hat (MLE)	1.833	Theta star (bias corrected MLE)	1.833
nu hat (MLE)	71.87	nu star (bias corrected)	71.89
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (71.89, α)	53.37	Adjusted Chi Square Value (71.89, β)	53.23
95% Gamma Approximate UCL (use when n>=50)	0.541	95% Gamma Adjusted UCL (use when n<50)	0.543

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.396	SD (KM)	4.131
Variance (KM)	17.06	SE of Mean (KM)	0.329
k hat (KM)	0.00919	k star (KM)	0.0131
nu hat (KM)	3.014	nu star (KM)	4.292
theta hat (KM)	43.09	theta star (KM)	30.26
80% gamma percentile (KM)	6.7471E-7	90% gamma percentile (KM)	0.00547
95% gamma percentile (KM)	0.345	99% gamma percentile (KM)	11.1

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (4.29, α)	0.84	Adjusted Chi Square Value (4.29, β)	0.828
95% Gamma Approximate KM-UCL (use when n>=50)	2.022	95% Gamma Adjusted KM-UCL (use when n<50)	2.054

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.882	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.918	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.193	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.173	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.393	Mean in Log Scale	-10.36
SD in Original Scale	4.144	SD in Log Scale	4.797
95% t UCL (assumes normality of ROS data)	0.929	95% Percentile Bootstrap UCL	1.04
95% BCA Bootstrap UCL	1.643	95% Bootstrap t UCL	7.068
95% H-UCL (Log ROS)	39.35		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

KM Mean (logged)	-5.304	KM Geo Mean	0.00497
KM SD (logged)	1.689	95% Critical H Value (KM-Log)	2.841
KM Standard Error of Mean (logged)	0.136	95% H-UCL (KM -Log)	0.0301
KM SD (logged)	1.689	95% Critical H Value (KM-Log)	2.841
KM Standard Error of Mean (logged)	0.136		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.404	Mean in Log Scale	-5.06
SD in Original Scale	4.143	SD in Log Scale	1.775
95% t UCL (Assumes normality)	0.939	95% H-Stat UCL	0.0461

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	1.831

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

1,2,4-Trichlorobenzene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	49
		Number of Missing Observations	232
Number of Detects	28	Number of Non-Detects	136
Number of Distinct Detects	24	Number of Distinct Non-Detects	28
Minimum Detect	0.42	Minimum Non-Detect	0.33
Maximum Detect	43	Maximum Non-Detect	11
Variance Detects	76.88	Percent Non-Detects	82.93%
Mean Detects	5.218	SD Detects	8.768
Median Detects	1.4	CV Detects	1.68
Skewness Detects	3.286	Kurtosis Detects	12.86
Mean of Logged Detects	0.781	SD of Logged Detects	1.257

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.575	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.924	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.309	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.164	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	1.173	KM Standard Error of Mean	0.319
KM SD	4.005	95% KM (BCA) UCL	1.756
95% KM (t) UCL	1.7	95% KM (Percentile Bootstrap) UCL	1.725
95% KM (z) UCL	1.697	95% KM Bootstrap t UCL	2.227
90% KM Chebyshev UCL	2.129	95% KM Chebyshev UCL	2.562
97.5% KM Chebyshev UCL	3.163	99% KM Chebyshev UCL	4.344

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.07	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.79	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.275	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.173	Detected Data Not Gamma Distributed at 5% Significance Level

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.695	k star (bias corrected MLE)	0.644
Theta hat (MLE)	7.513	Theta star (bias corrected MLE)	8.104
nu hat (MLE)	38.89	nu star (bias corrected)	36.06
Mean (detects)	5.218		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.899
Maximum	43	Median	0.01
SD	4.074	CV	4.531
k hat (MLE)	0.205	k star (bias corrected MLE)	0.205
Theta hat (MLE)	4.39	Theta star (bias corrected MLE)	4.383
nu hat (MLE)	67.19	nu star (bias corrected)	67.29
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (67.29, α)	49.41	Adjusted Chi Square Value (67.29, β)	49.28
95% Gamma Approximate UCL (use when n>=50)	1.225	95% Gamma Adjusted UCL (use when n<50)	1.228

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	1.173	SD (KM)	4.005
Variance (KM)	16.04	SE of Mean (KM)	0.319
k hat (KM)	0.0858	k star (KM)	0.0883
nu hat (KM)	28.15	nu star (KM)	28.96
theta hat (KM)	13.67	theta star (KM)	13.29
80% gamma percentile (KM)	0.669	90% gamma percentile (KM)	2.945
95% gamma percentile (KM)	6.837	99% gamma percentile (KM)	19.82

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (28.96, α)	17.68	Adjusted Chi Square Value (28.96, β)	17.6
95% Gamma Approximate KM-UCL (use when n>=50)	1.922	95% Gamma Adjusted KM-UCL (use when n<50)	1.931

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.891	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.924	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.225	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.164	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.934	Mean in Log Scale	-3.196
SD in Original Scale	4.067	SD in Log Scale	2.433
95% t UCL (assumes normality of ROS data)	1.459	95% Percentile Bootstrap UCL	1.523
95% BCA Bootstrap UCL	1.754	95% Bootstrap t UCL	2.011
95% H-UCL (Log ROS)	1.598		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.774	KM Geo Mean	0.461
KM SD (logged)	0.879	95% Critical H Value (KM-Log)	2.062
KM Standard Error of Mean (logged)	0.0705	95% H-UCL (KM -Log)	0.782
KM SD (logged)	0.879	95% Critical H Value (KM-Log)	2.062
KM Standard Error of Mean (logged)	0.0705		

DL/2 Statistics

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.145	Mean in Log Scale	-1.084
SD in Original Scale	4.048	SD in Log Scale	1.114
95% t UCL (Assumes normality)	1.668	95% H-Stat UCL	0.766

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	2.562

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)anthracene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	85
		Number of Missing Observations	232
Number of Detects	134	Number of Non-Detects	30
Number of Distinct Detects	77	Number of Distinct Non-Detects	18
Minimum Detect	0.34	Minimum Non-Detect	0.19
Maximum Detect	95	Maximum Non-Detect	11
Variance Detects	76.45	Percent Non-Detects	18.29%
Mean Detects	2.902	SD Detects	8.743
Median Detects	1.3	CV Detects	3.012
Skewness Detects	9.314	Kurtosis Detects	95.21
Mean of Logged Detects	0.38	SD of Logged Detects	0.914

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.253	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.385	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0769	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2.433	KM Standard Error of Mean	0.622
KM SD	7.938	95% KM (BCA) UCL	3.626
95% KM (t) UCL	3.463	95% KM (Percentile Bootstrap) UCL	3.661
95% KM (z) UCL	3.457	95% KM Bootstrap t UCL	5.886
90% KM Chebyshev UCL	4.3	95% KM Chebyshev UCL	5.146
97.5% KM Chebyshev UCL	6.32	99% KM Chebyshev UCL	8.625

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	9.402	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.79	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.182	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0835	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.858	k star (bias corrected MLE)	0.844
Theta hat (MLE)	3.382	Theta star (bias corrected MLE)	3.439
nu hat (MLE)	230	nu star (bias corrected)	226.2
Mean (detects)	2.902		

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.373
Maximum	95	Median	1
SD	7.977	CV	3.361
k hat (MLE)	0.461	k star (bias corrected MLE)	0.456
Theta hat (MLE)	5.15	Theta star (bias corrected MLE)	5.199
nu hat (MLE)	151.2	nu star (bias corrected)	149.7
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (149.72, α)	122.4	Adjusted Chi Square Value (149.72, β)	122.2
95% Gamma Approximate UCL (use when n>=50)	2.902	95% Gamma Adjusted UCL (use when n<50)	2.907

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.433	SD (KM)	7.938
Variance (KM)	63.01	SE of Mean (KM)	0.622
k hat (KM)	0.094	k star (KM)	0.0963
nu hat (KM)	30.82	nu star (KM)	31.59
theta hat (KM)	25.9	theta star (KM)	25.27
80% gamma percentile (KM)	1.597	90% gamma percentile (KM)	6.372
95% gamma percentile (KM)	14.15	99% gamma percentile (KM)	39.38

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (31.59, α)	19.75	Adjusted Chi Square Value (31.59, β)	19.66
95% Gamma Approximate KM-UCL (use when n>=50)	3.893	95% Gamma Adjusted KM-UCL (use when n<50)	3.909

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.929	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	1.2904E-7	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0937	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0769	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.427	Mean in Log Scale	0.063
SD in Original Scale	7.963	SD in Log Scale	1.088
95% t UCL (assumes normality of ROS data)	3.456	95% Percentile Bootstrap UCL	3.569
95% BCA Bootstrap UCL	4.267	95% Bootstrap t UCL	5.924
95% H-UCL (Log ROS)	2.329		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.0661	KM Geo Mean	1.068
KM SD (logged)	1.086	95% Critical H Value (KM-Log)	2.236
KM Standard Error of Mean (logged)	0.0866	95% H-UCL (KM -Log)	2.33
KM SD (logged)	1.086	95% Critical H Value (KM-Log)	2.236
KM Standard Error of Mean (logged)	0.0866		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	2.454	Mean in Log Scale	0.0557
SD in Original Scale	7.966	SD in Log Scale	1.129
95% t UCL (Assumes normality)	3.483	95% H-Stat UCL	2.446

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	5.146

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(a)pyrene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	85
		Number of Missing Observations	232
Number of Detects	132	Number of Non-Detects	32
Number of Distinct Detects	73	Number of Distinct Non-Detects	18
Minimum Detect	0.31	Minimum Non-Detect	0.19
Maximum Detect	76	Maximum Non-Detect	11
Variance Detects	52.3	Percent Non-Detects	19.51%
Mean Detects	2.56	SD Detects	7.232
Median Detects	1.1	CV Detects	2.825
Skewness Detects	8.766	Kurtosis Detects	84.79
Mean of Logged Detects	0.283	SD of Logged Detects	0.899

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.268	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.378	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0775	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2.126	KM Standard Error of Mean	0.512
KM SD	6.526	95% KM (BCA) UCL	3.17
95% KM (t) UCL	2.972	95% KM (Percentile Bootstrap) UCL	3.097
95% KM (z) UCL	2.967	95% KM Bootstrap t UCL	5.167
90% KM Chebyshev UCL	3.661	95% KM Chebyshev UCL	4.356
97.5% KM Chebyshev UCL	5.321	99% KM Chebyshev UCL	7.217

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	9.233	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.789	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.187	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.084	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.891	k star (bias corrected MLE)	0.876
Theta hat (MLE)	2.874	Theta star (bias corrected MLE)	2.924
nu hat (MLE)	235.2	nu star (bias corrected)	231.1
Mean (detects)	2.56		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Minimum	0.01	Mean	2.063
Maximum	76	Median	0.88
SD	6.562	CV	3.181
k hat (MLE)	0.465	k star (bias corrected MLE)	0.46
Theta hat (MLE)	4.438	Theta star (bias corrected MLE)	4.481
nu hat (MLE)	152.4	nu star (bias corrected)	151
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (150.97, α)	123.6	Adjusted Chi Square Value (150.97, β)	123.4
95% Gamma Approximate UCL (use when n>=50)	2.52	95% Gamma Adjusted UCL (use when n<50)	2.524

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.126	SD (KM)	6.526
Variance (KM)	42.59	SE of Mean (KM)	0.512
k hat (KM)	0.106	k star (KM)	0.108
nu hat (KM)	34.81	nu star (KM)	35.5
theta hat (KM)	20.03	theta star (KM)	19.64
80% gamma percentile (KM)	1.645	90% gamma percentile (KM)	5.832
95% gamma percentile (KM)	12.27	99% gamma percentile (KM)	32.45

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (35.50, α)	22.87	Adjusted Chi Square Value (35.50, β)	22.78
95% Gamma Approximate KM-UCL (use when n>=50)	3.3	95% Gamma Adjusted KM-UCL (use when n<50)	3.313

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.923	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	1.3700E-8	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0901	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0775	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.115	Mean in Log Scale	-0.0505
SD in Original Scale	6.547	SD in Log Scale	1.078
95% t UCL (assumes normality of ROS data)	2.961	95% Percentile Bootstrap UCL	3.098
95% BCA Bootstrap UCL	3.711	95% Bootstrap t UCL	4.959
95% H-UCL (Log ROS)	2.053		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.0277	KM Geo Mean	0.973
KM SD (logged)	1.049	95% Critical H Value (KM-Log)	2.204
KM Standard Error of Mean (logged)	0.0844	95% H-UCL (KM -Log)	2.021
KM SD (logged)	1.049	95% Critical H Value (KM-Log)	2.204
KM Standard Error of Mean (logged)	0.0844		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	2.145	Mean in Log Scale	-0.0484
SD in Original Scale	6.551	SD in Log Scale	1.107
95% t UCL (Assumes normality)	2.991	95% H-Stat UCL	2.139

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	4.356

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Benzo(b)fluoranthene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	83
		Number of Missing Observations	232
Number of Detects	138	Number of Non-Detects	26
Number of Distinct Detects	73	Number of Distinct Non-Detects	15
Minimum Detect	0.25	Minimum Non-Detect	0.21
Maximum Detect	110	Maximum Non-Detect	11
Variance Detects	101.4	Percent Non-Detects	15.85%
Mean Detects	3.4	SD Detects	10.07
Median Detects	1.45	CV Detects	2.961
Skewness Detects	9.283	Kurtosis Detects	94.78
Mean of Logged Detects	0.524	SD of Logged Detects	0.95

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.259	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.377	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0758	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2.924	KM Standard Error of Mean	0.727
KM SD	9.27	95% KM (BCA) UCL	4.487
95% KM (t) UCL	4.126	95% KM (Percentile Bootstrap) UCL	4.243
95% KM (z) UCL	4.119	95% KM Bootstrap t UCL	7.122
90% KM Chebyshev UCL	5.103	95% KM Chebyshev UCL	6.091
97.5% KM Chebyshev UCL	7.461	99% KM Chebyshev UCL	10.15

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	8.704	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.791	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.195	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0825	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.842	k star (bias corrected MLE)	0.829
Theta hat (MLE)	4.036	Theta star (bias corrected MLE)	4.101
nu hat (MLE)	232.5	nu star (bias corrected)	228.8
Mean (detects)	3.4		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.863
Maximum	110	Median	1.2
SD	9.314	CV	3.253
k hat (MLE)	0.482	k star (bias corrected MLE)	0.477
Theta hat (MLE)	5.942	Theta star (bias corrected MLE)	6.001
nu hat (MLE)	158.1	nu star (bias corrected)	156.5
Adjusted Level of Significance (β)	0.0485		

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Approximate Chi Square Value (156.50, α)	128.6	Adjusted Chi Square Value (156.50, β)	128.4
95% Gamma Approximate UCL (use when n>=50)	3.485	95% Gamma Adjusted UCL (use when n<50)	3.491

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.924	SD (KM)	9.27
Variance (KM)	85.94	SE of Mean (KM)	0.727
k hat (KM)	0.0995	k star (KM)	0.102
nu hat (KM)	32.62	nu star (KM)	33.36
theta hat (KM)	29.4	theta star (KM)	28.75
80% gamma percentile (KM)	2.078	90% gamma percentile (KM)	7.835
95% gamma percentile (KM)	16.95	99% gamma percentile (KM)	46.05

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (33.36, α)	21.15	Adjusted Chi Square Value (33.36, β)	21.07
95% Gamma Approximate KM-UCL (use when n>=50)	4.611	95% Gamma Adjusted KM-UCL (use when n<50)	4.629

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.947	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	7.0906E-5	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0904	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0758	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.915	Mean in Log Scale	0.242
SD in Original Scale	9.299	SD in Log Scale	1.109
95% t UCL (assumes normality of ROS data)	4.117	95% Percentile Bootstrap UCL	4.32
95% BCA Bootstrap UCL	4.967	95% Bootstrap t UCL	7.109
95% H-UCL (Log ROS)	2.869		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.253	KM Geo Mean	1.288
KM SD (logged)	1.093	95% Critical H Value (KM-Log)	2.243
KM Standard Error of Mean (logged)	0.0868	95% H-UCL (KM -Log)	2.837
KM SD (logged)	1.093	95% Critical H Value (KM-Log)	2.243
KM Standard Error of Mean (logged)	0.0868		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	2.94	Mean in Log Scale	0.234
SD in Original Scale	9.301	SD in Log Scale	1.147
95% t UCL (Assumes normality)	4.141	95% H-Stat UCL	2.998

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	6.091

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Chrysene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	82

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

		Number of Missing Observations	232
Number of Detects	136	Number of Non-Detects	28
Number of Distinct Detects	72	Number of Distinct Non-Detects	17
Minimum Detect	0.23	Minimum Non-Detect	0.19
Maximum Detect	92	Maximum Non-Detect	11
Variance Detects	70.03	Percent Non-Detects	17.07%
Mean Detects	2.784	SD Detects	8.368
Median Detects	1.3	CV Detects	3.005
Skewness Detects	9.477	Kurtosis Detects	98.32
Mean of Logged Detects	0.357	SD of Logged Detects	0.901

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.249	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.38	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0763	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2.368	KM Standard Error of Mean	0.6
KM SD	7.65	95% KM (BCA) UCL	3.429
95% KM (t) UCL	3.36	95% KM (Percentile Bootstrap) UCL	3.444
95% KM (z) UCL	3.355	95% KM Bootstrap t UCL	5.835
90% KM Chebyshev UCL	4.167	95% KM Chebyshev UCL	4.982
97.5% KM Chebyshev UCL	6.113	99% KM Chebyshev UCL	8.335

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	9.464	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.789	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.186	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0829	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.879	k star (bias corrected MLE)	0.865
Theta hat (MLE)	3.166	Theta star (bias corrected MLE)	3.219
nu hat (MLE)	239.2	nu star (bias corrected)	235.3
Mean (detects)	2.784		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.311
Maximum	92	Median	1.05
SD	7.687	CV	3.326
k hat (MLE)	0.488	k star (bias corrected MLE)	0.483
Theta hat (MLE)	4.739	Theta star (bias corrected MLE)	4.786
nu hat (MLE)	160	nu star (bias corrected)	158.4
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (158.38, α)	130.3	Adjusted Chi Square Value (158.38, β)	130.1
95% Gamma Approximate UCL (use when n>=50)	2.81	95% Gamma Adjusted UCL (use when n<50)	2.814

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.368	SD (KM)	7.65
Variance (KM)	58.52	SE of Mean (KM)	0.6
k hat (KM)	0.0958	k star (KM)	0.0982

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

nu hat (KM)	31.44	nu star (KM)	32.19
theta hat (KM)	24.71	theta star (KM)	24.13
80% gamma percentile (KM)	1.599	90% gamma percentile (KM)	6.254
95% gamma percentile (KM)	13.76	99% gamma percentile (KM)	37.97

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (32.19, α)	20.23	Adjusted Chi Square Value (32.19, β)	20.14
95% Gamma Approximate KM-UCL (use when n>=50)	3.77	95% Gamma Adjusted KM-UCL (use when n<50)	3.785

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.937	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	2.1932E-6	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0975	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0763	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.363	Mean in Log Scale	0.0703
SD in Original Scale	7.673	SD in Log Scale	1.06
95% t UCL (assumes normality of ROS data)	3.354	95% Percentile Bootstrap UCL	3.446
95% BCA Bootstrap UCL	4.028	95% Bootstrap t UCL	5.948
95% H-UCL (Log ROS)	2.261		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.0709	KM Geo Mean	1.073
KM SD (logged)	1.061	95% Critical H Value (KM-Log)	2.214
KM Standard Error of Mean (logged)	0.0843	95% H-UCL (KM -Log)	2.264
KM SD (logged)	1.061	95% Critical H Value (KM-Log)	2.214
KM Standard Error of Mean (logged)	0.0843		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	2.39	Mean in Log Scale	0.0678
SD in Original Scale	7.676	SD in Log Scale	1.093
95% t UCL (Assumes normality)	3.381	95% H-Stat UCL	2.356

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	4.982

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Indeno(1,2,3-cd)pyrene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	75
		Number of Missing Observations	232
Number of Detects	87	Number of Non-Detects	77
Number of Distinct Detects	61	Number of Distinct Non-Detects	28
Minimum Detect	0.22	Minimum Non-Detect	0.18
Maximum Detect	24	Maximum Non-Detect	11
Variance Detects	11.19	Percent Non-Detects	46.95%
Mean Detects	1.604	SD Detects	3.345

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Median Detects	0.79	CV Detects	2.086
Skewness Detects	5.6	Kurtosis Detects	33.45
Mean of Logged Detects	-0.0884	SD of Logged Detects	0.834

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.359	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.34	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0951	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.969	KM Standard Error of Mean	0.198
KM SD	2.518	95% KM (BCA) UCL	1.319
95% KM (t) UCL	1.297	95% KM (Percentile Bootstrap) UCL	1.315
95% KM (z) UCL	1.295	95% KM Bootstrap t UCL	1.8
90% KM Chebyshev UCL	1.564	95% KM Chebyshev UCL	1.833
97.5% KM Chebyshev UCL	2.206	99% KM Chebyshev UCL	2.94

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	8.162	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.782	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.241	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0987	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.026	k star (bias corrected MLE)	0.999
Theta hat (MLE)	1.563	Theta star (bias corrected MLE)	1.606
nu hat (MLE)	178.6	nu star (bias corrected)	173.8
Mean (detects)	1.604		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.861
Maximum	24	Median	0.395
SD	2.556	CV	2.969
k hat (MLE)	0.334	k star (bias corrected MLE)	0.332
Theta hat (MLE)	2.581	Theta star (bias corrected MLE)	2.597
nu hat (MLE)	109.4	nu star (bias corrected)	108.7
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (108.74, α)	85.67	Adjusted Chi Square Value (108.74, β)	85.49
95% Gamma Approximate UCL (use when n>=50)	1.093	95% Gamma Adjusted UCL (use when n<50)	1.095

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.969	SD (KM)	2.518
Variance (KM)	6.339	SE of Mean (KM)	0.198
k hat (KM)	0.148	k star (KM)	0.15
nu hat (KM)	48.61	nu star (KM)	49.06
theta hat (KM)	6.54	theta star (KM)	6.481
80% gamma percentile (KM)	1.053	90% gamma percentile (KM)	2.873
95% gamma percentile (KM)	5.338	99% gamma percentile (KM)	12.49

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (49.06, α)	33.98	Adjusted Chi Square Value (49.06, β)	33.87

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

95% Gamma Approximate KM-UCL (use when n>=50)	1.399	95% Gamma Adjusted KM-UCL (use when n<50)	1.404

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.872	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	2.907E-10	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.159	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0951	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.934	Mean in Log Scale	-0.933
SD in Original Scale	2.533	SD in Log Scale	1.156
95% t UCL (assumes normality of ROS data)	1.262	95% Percentile Bootstrap UCL	1.28
95% BCA Bootstrap UCL	1.444	95% Bootstrap t UCL	1.773
95% H-UCL (Log ROS)	0.945		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.747	KM Geo Mean	0.474
KM SD (logged)	0.965	95% Critical H Value (KM-Log)	2.131
KM Standard Error of Mean (logged)	0.083	95% H-UCL (KM -Log)	0.886
KM SD (logged)	0.965	95% Critical H Value (KM-Log)	2.131
KM Standard Error of Mean (logged)	0.083		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1.008	Mean in Log Scale	-0.738
SD in Original Scale	2.549	SD in Log Scale	1.02
95% t UCL (Assumes normality)	1.337	95% H-Stat UCL	0.957

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	1.833

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Naphthalene-SVOC

General Statistics

Total Number of Observations	164	Number of Distinct Observations	58
		Number of Missing Observations	232
Number of Detects	59	Number of Non-Detects	105
Number of Distinct Detects	41	Number of Distinct Non-Detects	29
Minimum Detect	0.22	Minimum Non-Detect	0.18
Maximum Detect	58	Maximum Non-Detect	11
Variance Detects	56.71	Percent Non-Detects	64.02%
Mean Detects	2.145	SD Detects	7.531
Median Detects	0.79	CV Detects	3.51
Skewness Detects	7.291	Kurtosis Detects	54.72
Mean of Logged Detects	-0.0882	SD of Logged Detects	0.9

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.225	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lilliefors Test Statistic	0.408	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.115	Detected Data Not Normal at 5% Significance Level	

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.926	KM Standard Error of Mean	0.36
KM SD	4.573	95% KM (BCA) UCL	1.681
95% KM (t) UCL	1.522	95% KM (Percentile Bootstrap) UCL	1.629
95% KM (z) UCL	1.519	95% KM Bootstrap t UCL	3.77
90% KM Chebyshev UCL	2.007	95% KM Chebyshev UCL	2.497
97.5% KM Chebyshev UCL	3.177	99% KM Chebyshev UCL	4.512

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	8.069	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.796	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.317	**Kolmogorov-Smirnov GOF**	
5% K-S Critical Value	0.121	Detected Data Not Gamma Distributed at 5% Significance Level	

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.709	k star (bias corrected MLE)	0.684
Theta hat (MLE)	3.028	Theta star (bias corrected MLE)	3.138
nu hat (MLE)	83.6	nu star (bias corrected)	80.69
Mean (detects)	2.145		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.781
Maximum	58	Median	0.01
SD	4.608	CV	5.903
k hat (MLE)	0.26	k star (bias corrected MLE)	0.26
Theta hat (MLE)	2.998	Theta star (bias corrected MLE)	3.006
nu hat (MLE)	85.41	nu star (bias corrected)	85.18
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (85.18, α)	64.9	Adjusted Chi Square Value (85.18, β)	64.75
95% Gamma Approximate UCL (use when n>=50)	1.024	95% Gamma Adjusted UCL (use when n<50)	1.027

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.926	SD (KM)	4.573
Variance (KM)	20.91	SE of Mean (KM)	0.36
k hat (KM)	0.041	k star (KM)	0.0444
nu hat (KM)	13.46	nu star (KM)	14.55
theta hat (KM)	22.57	theta star (KM)	20.89
80% gamma percentile (KM)	0.0797	90% gamma percentile (KM)	1.192
95% gamma percentile (KM)	4.689	99% gamma percentile (KM)	21.1

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (14.55, α)	6.948	Adjusted Chi Square Value (14.55, β)	6.901
95% Gamma Approximate KM-UCL (use when n>=50)	1.94	95% Gamma Adjusted KM-UCL (use when n<50)	1.953

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.852	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk P Value	9.6654E-8	Detected Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.166	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.115	Detected Data Not Lognormal at 5% Significance Level	

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.858	Mean in Log Scale	-1.479
SD in Original Scale	4.596	SD in Log Scale	1.324
95% t UCL (assumes normality of ROS data)	1.452	95% Percentile Bootstrap UCL	1.561
95% BCA Bootstrap UCL	1.968	95% Bootstrap t UCL	3.706
95% H-UCL (Log ROS)	0.706		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1	KM Geo Mean	0.368
KM SD (logged)	0.915	95% Critical H Value (KM-Log)	2.09
KM Standard Error of Mean (logged)	0.0834	95% H-UCL (KM -Log)	0.649
KM SD (logged)	0.915	95% Critical H Value (KM-Log)	2.09
KM Standard Error of Mean (logged)	0.0834		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.97	Mean in Log Scale	-0.996
SD in Original Scale	4.6	SD in Log Scale	0.999
95% t UCL (Assumes normality)	1.564	95% H-Stat UCL	0.72

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	2.497

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SUM of PCBs

General Statistics

Total Number of Observations	302	Number of Distinct Observations	215
		Number of Missing Observations	99
Number of Detects	243	Number of Non-Detects	59
Number of Distinct Detects	193	Number of Distinct Non-Detects	27
Minimum Detect	0.046	Minimum Non-Detect	0.04
Maximum Detect	11000	Maximum Non-Detect	0.14
Variance Detects	821271	Percent Non-Detects	19.54%
Mean Detects	253.5	SD Detects	906.2
Median Detects	3.93	CV Detects	3.576
Skewness Detects	8.361	Kurtosis Detects	87.17
Mean of Logged Detects	2.172	SD of Logged Detects	2.998

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.314	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.39	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0573	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	203.9	KM Standard Error of Mean	47.14
KM SD	817.4	95% KM (BCA) UCL	292

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

95% KM (t) UCL	281.7	95% KM (Percentile Bootstrap) UCL	287.8
95% KM (z) UCL	281.5	95% KM Bootstrap t UCL	348.7
90% KM Chebyshev UCL	345.4	95% KM Chebyshev UCL	409.4
97.5% KM Chebyshev UCL	498.3	99% KM Chebyshev UCL	672.9

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	14.07	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.912	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.189	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.065	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.216	k star (bias corrected MLE)	0.216
Theta hat (MLE)	1173	Theta star (bias corrected MLE)	1172
nu hat (MLE)	105	nu star (bias corrected)	105.1
Mean (detects)	253.5		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	203.9
Maximum	11000	Median	1.325
SD	818.8	CV	4.015
k hat (MLE)	0.169	k star (bias corrected MLE)	0.169
Theta hat (MLE)	1207	Theta star (bias corrected MLE)	1203
nu hat (MLE)	102	nu star (bias corrected)	102.4
Adjusted Level of Significance (β)	0.0492		
Approximate Chi Square Value (102.36, α)	80.02	Adjusted Chi Square Value (102.36, β)	79.92
95% Gamma Approximate UCL (use when n>=50)	260.9	95% Gamma Adjusted UCL (use when n<50)	261.2

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	203.9	SD (KM)	817.4
Variance (KM)	668199	SE of Mean (KM)	47.14
k hat (KM)	0.0622	k star (KM)	0.0638
nu hat (KM)	37.6	nu star (KM)	38.56
theta hat (KM)	3276	theta star (KM)	3195
80% gamma percentile (KM)	58.24	90% gamma percentile (KM)	407
95% gamma percentile (KM)	1157	99% gamma percentile (KM)	4005

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (38.56, α)	25.34	Adjusted Chi Square Value (38.56, β)	25.29
95% Gamma Approximate KM-UCL (use when n>=50)	310.4	95% Gamma Adjusted KM-UCL (use when n<50)	311

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.918	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.135	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0573	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	203.9	Mean in Log Scale	0.906
SD in Original Scale	818.8	SD in Log Scale	3.745
95% t UCL (assumes normality of ROS data)	281.7	95% Percentile Bootstrap UCL	287.6
95% BCA Bootstrap UCL	323.6	95% Bootstrap t UCL	336.9

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

95% H-UCL (Log ROS) 8337

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.126	KM Geo Mean	3.084
KM SD (logged)	3.421	95% Critical H Value (KM-Log)	4.747
KM Standard Error of Mean (logged)	0.197	95% H-UCL (KM -Log)	2740
KM SD (logged)	3.421	95% Critical H Value (KM-Log)	4.747
KM Standard Error of Mean (logged)	0.197		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	203.9	Mean in Log Scale	1.071
SD in Original Scale	818.8	SD in Log Scale	3.501
95% t UCL (Assumes normality)	281.7	95% H-Stat UCL	3559

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL 409.4

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Antimony

General Statistics

Total Number of Observations	124	Number of Distinct Observations	65
		Number of Missing Observations	261
Number of Detects	93	Number of Non-Detects	31
Number of Distinct Detects	63	Number of Distinct Non-Detects	5
Minimum Detect	1.2	Minimum Non-Detect	1
Maximum Detect	1100	Maximum Non-Detect	1.4
Variance Detects	18504	Percent Non-Detects	25%
Mean Detects	34.02	SD Detects	136
Median Detects	3.7	CV Detects	3.999
Skewness Detects	6.773	Kurtosis Detects	48.17
Mean of Logged Detects	1.823	SD of Logged Detects	1.471

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.255	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.405	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0921	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	25.76	KM Standard Error of Mean	10.66
KM SD	118	95% KM (BCA) UCL	47.2
95% KM (t) UCL	43.43	95% KM (Percentile Bootstrap) UCL	44.91
95% KM (z) UCL	43.29	95% KM Bootstrap t UCL	109.3
90% KM Chebyshev UCL	57.74	95% KM Chebyshev UCL	72.22
97.5% KM Chebyshev UCL	92.32	99% KM Chebyshev UCL	131.8

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	11.25	**Anderson-Darling GOF Test**

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% A-D Critical Value	0.846	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.255	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0996	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.388	k star (bias corrected MLE)	0.383
Theta hat (MLE)	87.67	Theta star (bias corrected MLE)	88.9
nu hat (MLE)	72.17	nu star (bias corrected)	71.17
Mean (detects)	34.02		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	25.52
Maximum	1100	Median	2.4
SD	118.6	CV	4.647
k hat (MLE)	0.237	k star (bias corrected MLE)	0.237
Theta hat (MLE)	107.7	Theta star (bias corrected MLE)	107.8
nu hat (MLE)	58.76	nu star (bias corrected)	58.67
Adjusted Level of Significance (β)	0.0481		
Approximate Chi Square Value (58.67, α)	42.06	Adjusted Chi Square Value (58.67, β)	41.9
95% Gamma Approximate UCL (use when n>=50)	35.59	95% Gamma Adjusted UCL (use when n<50)	35.73

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	25.76	SD (KM)	118
Variance (KM)	13933	SE of Mean (KM)	10.66
k hat (KM)	0.0476	k star (KM)	0.0519
nu hat (KM)	11.81	nu star (KM)	12.86
theta hat (KM)	540.8	theta star (KM)	496.8
80% gamma percentile (KM)	3.965	90% gamma percentile (KM)	41.2
95% gamma percentile (KM)	138.8	99% gamma percentile (KM)	552.3

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (12.86, α)	5.8	Adjusted Chi Square Value (12.86, β)	5.744
95% Gamma Approximate KM-UCL (use when n>=50)	57.13	95% Gamma Adjusted KM-UCL (use when n<50)	57.69

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.852	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	2.151E-13	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.185	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0921	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	25.58	Mean in Log Scale	0.996
SD in Original Scale	118.6	SD in Log Scale	1.956
95% t UCL (assumes normality of ROS data)	43.23	95% Percentile Bootstrap UCL	44.98
95% BCA Bootstrap UCL	53.71	95% Bootstrap t UCL	107.6
95% H-UCL (Log ROS)	32.25		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.368	KM Geo Mean	3.926
KM SD (logged)	1.492	95% Critical H Value (KM-Log)	2.676
KM Standard Error of Mean (logged)	0.135	95% H-UCL (KM -Log)	17.12
KM SD (logged)	1.492	95% Critical H Value (KM-Log)	2.676

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

KM Standard Error of Mean (logged)	0.135

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	25.66	Mean in Log Scale	1.229
SD in Original Scale	118.5	SD in Log Scale	1.638
95% t UCL (Assumes normality)	43.3	95% H-Stat UCL	19.88

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	72.22

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Barium

General Statistics

Total Number of Observations	164	Number of Distinct Observations	87
		Number of Missing Observations	232
Minimum	14	Mean	133.4
Maximum	1400	Median	64
SD	177.6	Std. Error of Mean	13.87
Coefficient of Variation	1.331	Skewness	3.472

Normal GOF Test

Shapiro Wilk Test Statistic	0.604	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.31	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0696	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	156.4	95% Adjusted-CLT UCL (Chen-1995)	160.2
		95% Modified-t UCL (Johnson-1978)	157

Gamma GOF Test

A-D Test Statistic	11.02	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.779	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.241	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0748	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.189	k star (bias corrected MLE)	1.171
Theta hat (MLE)	112.2	Theta star (bias corrected MLE)	113.9
nu hat (MLE)	390	nu star (bias corrected)	384.2
MLE Mean (bias corrected)	133.4	MLE Sd (bias corrected)	123.3
		Approximate Chi Square Value (0.05)	339.8
Adjusted Level of Significance	0.0485	Adjusted Chi Square Value	339.4

Assuming Gamma Distribution

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

95% Approximate Gamma UCL (use when n>=50))	150.9	95% Adjusted Gamma UCL (use when n<50)	151

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.912	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	4.718E-14	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.168	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0696	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.639	Mean of logged Data	4.417
Maximum of Logged Data	7.244	SD of logged Data	0.879

Assuming Lognormal Distribution

95% H-UCL	140.5	90% Chebyshev (MVUE) UCL	150.7
95% Chebyshev (MVUE) UCL	163.9	97.5% Chebyshev (MVUE) UCL	182.2
99% Chebyshev (MVUE) UCL	218.2		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	156.2	95% Jackknife UCL	156.4
95% Standard Bootstrap UCL	155.7	95% Bootstrap-t UCL	162.6
95% Hall's Bootstrap UCL	163.1	95% Percentile Bootstrap UCL	157.4
95% BCA Bootstrap UCL	160.9		
90% Chebyshev(Mean, Sd) UCL	175	95% Chebyshev(Mean, Sd) UCL	193.9
97.5% Chebyshev(Mean, Sd) UCL	220	99% Chebyshev(Mean, Sd) UCL	271.4

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	193.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Lead

General Statistics

Total Number of Observations	164	Number of Distinct Observations	115
		Number of Missing Observations	232
Minimum	9.6	Mean	2128
Maximum	28000	Median	160
SD	4804	Std. Error of Mean	375.1
Coefficient of Variation	2.257	Skewness	3.41

Normal GOF Test

Shapiro Wilk Test Statistic	0.5	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.33	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0696	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	2749	95% Adjusted-CLT UCL (Chen-1995)	2852
		95% Modified-t UCL (Johnson-1978)	2766

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Gamma GOF Test

A-D Test Statistic	11.27	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.856	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.219	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0787	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.352	k star (bias corrected MLE)	0.35
Theta hat (MLE)	6048	Theta star (bias corrected MLE)	6089
nu hat (MLE)	115.4	nu star (bias corrected)	114.7
MLE Mean (bias corrected)	2128	MLE Sd (bias corrected)	3600
		Approximate Chi Square Value (0.05)	90.94
Adjusted Level of Significance	0.0485	Adjusted Chi Square Value	90.75

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	2684	95% Adjusted Gamma UCL (use when n<50)	2689

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.914	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	1.767E-13	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.155	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0696	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.262	Mean of logged Data	5.754
Maximum of Logged Data	10.24	SD of logged Data	1.966

Assuming Lognormal Distribution

95% H-UCL	3542	90% Chebyshev (MVUE) UCL	3678
95% Chebyshev (MVUE) UCL	4389	97.5% Chebyshev (MVUE) UCL	5375
99% Chebyshev (MVUE) UCL	7313		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	2745	95% Jackknife UCL	2749
95% Standard Bootstrap UCL	2747	95% Bootstrap-t UCL	2900
95% Hall's Bootstrap UCL	2847	95% Percentile Bootstrap UCL	2760
95% BCA Bootstrap UCL	2868		
90% Chebyshev(Mean, Sd) UCL	3254	95% Chebyshev(Mean, Sd) UCL	3764
97.5% Chebyshev(Mean, Sd) UCL	4471	99% Chebyshev(Mean, Sd) UCL	5861

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	3764

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Mercury

General Statistics

Total Number of Observations	164	Number of Distinct Observations	100
		Number of Missing Observations	232

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Number of Detects	161	Number of Non-Detects	3
Number of Distinct Detects	98	Number of Distinct Non-Detects	2
Minimum Detect	0.039	Minimum Non-Detect	0.018
Maximum Detect	97	Maximum Non-Detect	0.022
Variance Detects	116.4	Percent Non-Detects	1.829%
Mean Detects	2.316	SD Detects	10.79
Median Detects	0.4	CV Detects	4.66
Skewness Detects	8.43	Kurtosis Detects	72.3
Mean of Logged Detects	-0.712	SD of Logged Detects	1.404

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.195	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.416	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0702	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2.274	KM Standard Error of Mean	0.835
KM SD	10.66	95% KM (BCA) UCL	3.852
95% KM (t) UCL	3.655	95% KM (Percentile Bootstrap) UCL	3.765
95% KM (z) UCL	3.647	95% KM Bootstrap t UCL	9.205
90% KM Chebyshev UCL	4.779	95% KM Chebyshev UCL	5.914
97.5% KM Chebyshev UCL	7.489	99% KM Chebyshev UCL	10.58

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	15.55	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.839	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.247	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0788	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.421	k star (bias corrected MLE)	0.417
Theta hat (MLE)	5.504	Theta star (bias corrected MLE)	5.553
nu hat (MLE)	135.5	nu star (bias corrected)	134.3
Mean (detects)	2.316		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.274
Maximum	97	Median	0.39
SD	10.7	CV	4.704
k hat (MLE)	0.409	k star (bias corrected MLE)	0.405
Theta hat (MLE)	5.562	Theta star (bias corrected MLE)	5.609
nu hat (MLE)	134.1	nu star (bias corrected)	132.9
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (132.94, α)	107.3	Adjusted Chi Square Value (132.94, β)	107.1
95% Gamma Approximate UCL (use when n>=50)	2.817	95% Gamma Adjusted UCL (use when n<50)	2.822

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.274	SD (KM)	10.66
Variance (KM)	113.7	SE of Mean (KM)	0.835
k hat (KM)	0.0455	k star (KM)	0.0487
nu hat (KM)	14.91	nu star (KM)	15.97

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

theta hat (KM)	50	theta star (KM)	46.68
80% gamma percentile (KM)	0.281	90% gamma percentile (KM)	3.351
95% gamma percentile (KM)	11.98	99% gamma percentile (KM)	49.97

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (15.97, α)	7.945	Adjusted Chi Square Value (15.97, β)	7.894
95% Gamma Approximate KM-UCL (use when n>=50)	4.572	95% Gamma Adjusted KM-UCL (use when n<50)	4.601

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.945	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	3.7636E-6	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.122	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0702	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.274	Mean in Log Scale	-0.777
SD in Original Scale	10.7	SD in Log Scale	1.471
95% t UCL (assumes normality of ROS data)	3.655	95% Percentile Bootstrap UCL	3.78
95% BCA Bootstrap UCL	4.54	95% Bootstrap t UCL	9.299
95% H-UCL (Log ROS)	1.833		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.772	KM Geo Mean	0.462
KM SD (logged)	1.456	95% Critical H Value (KM-Log)	2.593
KM Standard Error of Mean (logged)	0.114	95% H-UCL (KM -Log)	1.792
KM SD (logged)	1.456	95% Critical H Value (KM-Log)	2.593
KM Standard Error of Mean (logged)	0.114		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	2.274	Mean in Log Scale	-0.784
SD in Original Scale	10.7	SD in Log Scale	1.488
95% t UCL (Assumes normality)	3.655	95% H-Stat UCL	1.877

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	5.914

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Zinc

General Statistics

Total Number of Observations	124	Number of Distinct Observations	82
		Number of Missing Observations	261
Minimum	22	Mean	518
Maximum	5000	Median	120
SD	851.4	Std. Error of Mean	76.45
Coefficient of Variation	1.644	Skewness	2.691

Normal GOF Test

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Shapiro Wilk Test Statistic	0.616	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.302	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0799	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	644.7	95% Adjusted-CLT UCL (Chen-1995)	663.4
		95% Modified-t UCL (Johnson-1978)	647.7

Gamma GOF Test

A-D Test Statistic	8.992	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.806	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.236	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0872	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.632	k star (bias corrected MLE)	0.622
Theta hat (MLE)	819.1	Theta star (bias corrected MLE)	832.2
nu hat (MLE)	156.8	nu star (bias corrected)	154.4
MLE Mean (bias corrected)	518	MLE Sd (bias corrected)	656.5
		Approximate Chi Square Value (0.05)	126.6
Adjusted Level of Significance	0.0481	Adjusted Chi Square Value	126.3

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	631.3	95% Adjusted Gamma UCL (use when n<50)	632.8

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.889	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	1.508E-13	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.171	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0799	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	3.091	Mean of logged Data	5.28
Maximum of Logged Data	8.517	SD of logged Data	1.322

Assuming Lognormal Distribution

95% H-UCL	633.4	90% Chebyshev (MVUE) UCL	683.7
95% Chebyshev (MVUE) UCL	783.1	97.5% Chebyshev (MVUE) UCL	921
99% Chebyshev (MVUE) UCL	1192		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	643.7	95% Jackknife UCL	644.7
95% Standard Bootstrap UCL	646.9	95% Bootstrap-t UCL	666.6
95% Hall's Bootstrap UCL	674.2	95% Percentile Bootstrap UCL	647.7
95% BCA Bootstrap UCL	676.5		
90% Chebyshev(Mean, Sd) UCL	747.3	95% Chebyshev(Mean, Sd) UCL	851.2
97.5% Chebyshev(Mean, Sd) UCL	995.4	99% Chebyshev(Mean, Sd) UCL	1279

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	851.2

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C10 AROMATICS

General Statistics

Total Number of Observations	124	Number of Distinct Observations	37
		Number of Missing Observations	261
Number of Detects	46	Number of Non-Detects	78
Number of Distinct Detects	32	Number of Distinct Non-Detects	13
Minimum Detect	1.1	Minimum Non-Detect	1
Maximum Detect	120	Maximum Non-Detect	2.6
Variance Detects	338.6	Percent Non-Detects	62.9%
Mean Detects	7.354	SD Detects	18.4
Median Detects	3	CV Detects	2.502
Skewness Detects	5.565	Kurtosis Detects	33.05
Mean of Logged Detects	1.275	SD of Logged Detects	0.914

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.324	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.945	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.382	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.129	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	3.37	KM Standard Error of Mean	1.044
KM SD	11.5	95% KM (BCA) UCL	5.472
95% KM (t) UCL	5.1	95% KM (Percentile Bootstrap) UCL	5.346
95% KM (z) UCL	5.087	95% KM Bootstrap t UCL	11.57
90% KM Chebyshev UCL	6.503	95% KM Chebyshev UCL	7.922
97.5% KM Chebyshev UCL	9.891	99% KM Chebyshev UCL	13.76

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	5.098	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.787	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.249	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.135	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.821	k star (bias corrected MLE)	0.782
Theta hat (MLE)	8.957	Theta star (bias corrected MLE)	9.405
nu hat (MLE)	75.54	nu star (bias corrected)	71.94
Mean (detects)	7.354		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.735
Maximum	120	Median	0.01
SD	11.69	CV	4.274
k hat (MLE)	0.213	k star (bias corrected MLE)	0.213
Theta hat (MLE)	12.87	Theta star (bias corrected MLE)	12.85

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

nu hat (MLE)	52.71	nu star (bias corrected)	52.77
Adjusted Level of Significance (β)	0.0481		
Approximate Chi Square Value (52.77, α)	37.08	Adjusted Chi Square Value (52.77, β)	36.93
95% Gamma Approximate UCL (use when n>=50)	3.891	95% Gamma Adjusted UCL (use when n<50)	3.908

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	3.37	SD (KM)	11.5
Variance (KM)	132.3	SE of Mean (KM)	1.044
k hat (KM)	0.0859	k star (KM)	0.0892
nu hat (KM)	21.29	nu star (KM)	22.11
theta hat (KM)	39.25	theta star (KM)	37.8
80% gamma percentile (KM)	1.953	90% gamma percentile (KM)	8.502
95% gamma percentile (KM)	19.63	99% gamma percentile (KM)	56.65

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (22.11, α)	12.42	Adjusted Chi Square Value (22.11, β)	12.34
95% Gamma Approximate KM-UCL (use when n>=50)	5.999	95% Gamma Adjusted KM-UCL (use when n<50)	6.04

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.853	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.945	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.148	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.129	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.955	Mean in Log Scale	-0.363
SD in Original Scale	11.64	SD in Log Scale	1.538
95% t UCL (assumes normality of ROS data)	4.687	95% Percentile Bootstrap UCL	4.903
95% BCA Bootstrap UCL	5.966	95% Bootstrap t UCL	9.912
95% H-UCL (Log ROS)	3.315		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.483	KM Geo Mean	1.621
KM SD (logged)	0.822	95% Critical H Value (KM-Log)	2.039
KM Standard Error of Mean (logged)	0.0749	95% H-UCL (KM -Log)	2.645
KM SD (logged)	0.822	95% Critical H Value (KM-Log)	2.039
KM Standard Error of Mean (logged)	0.0749		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	3.158	Mean in Log Scale	0.218
SD in Original Scale	11.59	SD in Log Scale	0.999
95% t UCL (Assumes normality)	4.883	95% H-Stat UCL	2.494

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	7.922

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C11-C22 AROMATICS, ADJ.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

General Statistics

Total Number of Observations	164	Number of Distinct Observations	107
		Number of Missing Observations	232
Number of Detects	157	Number of Non-Detects	7
Number of Distinct Detects	100	Number of Distinct Non-Detects	7
Minimum Detect	25.81	Minimum Non-Detect	20
Maximum Detect	9157	Maximum Non-Detect	42
Variance Detects	694547	Percent Non-Detects	4.268%
Mean Detects	355.7	SD Detects	833.4
Median Detects	160	CV Detects	2.343
Skewness Detects	8.356	Kurtosis Detects	82.6
Mean of Logged Detects	5.235	SD of Logged Detects	0.96

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.34	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.347	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0711	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	341.4	KM Standard Error of Mean	63.89
KM SD	815.6	95% KM (BCA) UCL	464.1
95% KM (t) UCL	447.1	95% KM (Percentile Bootstrap) UCL	461.9
95% KM (z) UCL	446.5	95% KM Bootstrap t UCL	567.3
90% KM Chebyshev UCL	533.1	95% KM Chebyshev UCL	619.9
97.5% KM Chebyshev UCL	740.4	99% KM Chebyshev UCL	977.1

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	8.05	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.788	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.159	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0772	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.913	k star (bias corrected MLE)	0.9
Theta hat (MLE)	389.5	Theta star (bias corrected MLE)	395.2
nu hat (MLE)	286.7	nu star (bias corrected)	282.6
Mean (detects)	355.7		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	340.5
Maximum	9157	Median	150
SD	818.5	CV	2.404
k hat (MLE)	0.607	k star (bias corrected MLE)	0.6
Theta hat (MLE)	560.6	Theta star (bias corrected MLE)	567.2
nu hat (MLE)	199.2	nu star (bias corrected)	196.9
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (196.90, α)	165.4	Adjusted Chi Square Value (196.90, β)	165.2
95% Gamma Approximate UCL (use when n>=50)	405.2	95% Gamma Adjusted UCL (use when n<50)	405.9

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	341.4	SD (KM)	815.6

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Variance (KM)	665233	SE of Mean (KM)	63.89
k hat (KM)	0.175	k star (KM)	0.176
nu hat (KM)	57.46	nu star (KM)	57.75
theta hat (KM)	1949	theta star (KM)	1939
80% gamma percentile (KM)	417.6	90% gamma percentile (KM)	1028
95% gamma percentile (KM)	1815	99% gamma percentile (KM)	4030

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (57.75, α)	41.28	Adjusted Chi Square Value (57.75, β)	41.15
95% Gamma Approximate KM-UCL (use when n>=50)	477.6	95% Gamma Adjusted KM-UCL (use when n<50)	479

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.952	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	9.0949E-5	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0873	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0711	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	341.3	Mean in Log Scale	5.14
SD in Original Scale	818.1	SD in Log Scale	1.042
95% t UCL (assumes normality of ROS data)	447	95% Percentile Bootstrap UCL	455.7
95% BCA Bootstrap UCL	514.1	95% Bootstrap t UCL	566
95% H-UCL (Log ROS)	351.4		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	5.142	KM Geo Mean	171
KM SD (logged)	1.035	95% Critical H Value (KM-Log)	2.191
KM Standard Error of Mean (logged)	0.0811	95% H-UCL (KM -Log)	348.9
KM SD (logged)	1.035	95% Critical H Value (KM-Log)	2.191
KM Standard Error of Mean (logged)	0.0811		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	341.2	Mean in Log Scale	5.129
SD in Original Scale	818.2	SD in Log Scale	1.067
95% t UCL (Assumes normality)	446.9	95% H-Stat UCL	359

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	619.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C19-C36 ALIPHATICS

General Statistics

Total Number of Observations	164	Number of Distinct Observations	108
		Number of Missing Observations	232
Number of Detects	157	Number of Non-Detects	7
Number of Distinct Detects	105	Number of Distinct Non-Detects	7
Minimum Detect	28	Minimum Non-Detect	25
Maximum Detect	9956	Maximum Non-Detect	42

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Variance Detects	778624	Percent Non-Detects	4.268%
Mean Detects	386.7	SD Detects	882.4
Median Detects	170	CV Detects	2.282
Skewness Detects	8.649	Kurtosis Detects	90.12
Mean of Logged Detects	5.276	SD of Logged Detects	1.035

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.361	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.342	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0711	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	371.4	KM Standard Error of Mean	67.66
KM SD	863.7	95% KM (BCA) UCL	488.6
95% KM (t) UCL	483.3	95% KM (Percentile Bootstrap) UCL	492.9
95% KM (z) UCL	482.7	95% KM Bootstrap t UCL	606.6
90% KM Chebyshev UCL	574.3	95% KM Chebyshev UCL	666.3
97.5% KM Chebyshev UCL	793.9	99% KM Chebyshev UCL	1045

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	6.616	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.79	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.163	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0774	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.862	k star (bias corrected MLE)	0.85
Theta hat (MLE)	448.6	Theta star (bias corrected MLE)	455
nu hat (MLE)	270.7	nu star (bias corrected)	266.8
Mean (detects)	386.7		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	370.2
Maximum	9956	Median	150
SD	866.8	CV	2.342
k hat (MLE)	0.585	k star (bias corrected MLE)	0.578
Theta hat (MLE)	632.7	Theta star (bias corrected MLE)	639.9
nu hat (MLE)	191.9	nu star (bias corrected)	189.7
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (189.74, α)	158.9	Adjusted Chi Square Value (189.74, β)	158.6
95% Gamma Approximate UCL (use when n>=50)	442.1	95% Gamma Adjusted UCL (use when n<50)	442.8

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	371.4	SD (KM)	863.7
Variance (KM)	745899	SE of Mean (KM)	67.66
k hat (KM)	0.185	k star (KM)	0.186
nu hat (KM)	60.65	nu star (KM)	60.87
theta hat (KM)	2008	theta star (KM)	2001
80% gamma percentile (KM)	469.4	90% gamma percentile (KM)	1121
95% gamma percentile (KM)	1950	99% gamma percentile (KM)	4260

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (60.87, α)	43.93	Adjusted Chi Square Value (60.87, β)	43.8
95% Gamma Approximate KM-UCL (use when n>=50)	514.6	95% Gamma Adjusted KM-UCL (use when n<50)	516.1

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.966	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0.0132	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0851	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0711	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	371	Mean in Log Scale	5.177
SD in Original Scale	866.4	SD in Log Scale	1.118
95% t UCL (assumes normality of ROS data)	482.9	95% Percentile Bootstrap UCL	486.2
95% BCA Bootstrap UCL	577.3	95% Bootstrap t UCL	602.7
95% H-UCL (Log ROS)	403.5		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	5.193	KM Geo Mean	179.9
KM SD (logged)	1.084	95% Critical H Value (KM-Log)	2.235
KM Standard Error of Mean (logged)	0.085	95% H-UCL (KM -Log)	391.6
KM SD (logged)	1.084	95% Critical H Value (KM-Log)	2.235
KM Standard Error of Mean (logged)	0.085		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	370.9	Mean in Log Scale	5.172
SD in Original Scale	866.5	SD in Log Scale	1.127
95% t UCL (Assumes normality)	482.9	95% H-Stat UCL	406.7

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	666.3

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

C9-C18 ALIPHATICS

General Statistics

Total Number of Observations	164	Number of Distinct Observations	83
		Number of Missing Observations	232
Number of Detects	79	Number of Non-Detects	85
Number of Distinct Detects	69	Number of Distinct Non-Detects	21
Minimum Detect	8.134	Minimum Non-Detect	20
Maximum Detect	2886	Maximum Non-Detect	170
Variance Detects	179499	Percent Non-Detects	51.83%
Mean Detects	205.1	SD Detects	423.7
Median Detects	80	CV Detects	2.065
Skewness Detects	5.028	Kurtosis Detects	27.6
Mean of Logged Detects	4.6	SD of Logged Detects	1.052

Normal GOF Test on Detects Only

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Shapiro Wilk Test Statistic	0.417	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.321	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0998	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	106.4	KM Standard Error of Mean	24.19
KM SD	307.3	95% KM (BCA) UCL	152.6
95% KM (t) UCL	146.5	95% KM (Percentile Bootstrap) UCL	149.9
95% KM (z) UCL	146.2	95% KM Bootstrap t UCL	196.7
90% KM Chebyshev UCL	179	95% KM Chebyshev UCL	211.9
97.5% KM Chebyshev UCL	257.5	99% KM Chebyshev UCL	347.1

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	4.664	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.79	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.171	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.104	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.818	k star (bias corrected MLE)	0.795
Theta hat (MLE)	250.9	Theta star (bias corrected MLE)	258
nu hat (MLE)	129.2	nu star (bias corrected)	125.6
Mean (detects)	205.1		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	98.82
Maximum	2886	Median	0.01
SD	310.6	CV	3.143
k hat (MLE)	0.16	k star (bias corrected MLE)	0.161
Theta hat (MLE)	618.3	Theta star (bias corrected MLE)	613.9
nu hat (MLE)	52.42	nu star (bias corrected)	52.8
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (52.80, α)	37.11	Adjusted Chi Square Value (52.80, β)	36.99
95% Gamma Approximate UCL (use when n>=50)	140.6	95% Gamma Adjusted UCL (use when n<50)	141.1

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	106.4	SD (KM)	307.3
Variance (KM)	94457	SE of Mean (KM)	24.19
k hat (KM)	0.12	k star (KM)	0.122
nu hat (KM)	39.34	nu star (KM)	39.95
theta hat (KM)	887.5	theta star (KM)	873.8
80% gamma percentile (KM)	94.91	90% gamma percentile (KM)	302.8
95% gamma percentile (KM)	606.2	99% gamma percentile (KM)	1529

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (39.95, α)	26.47	Adjusted Chi Square Value (39.95, β)	26.37
95% Gamma Approximate KM-UCL (use when n>=50)	160.6	95% Gamma Adjusted KM-UCL (use when n<50)	161.2

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.951	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0.0114	Detected Data Not Lognormal at 5% Significance Level

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.16/9/2016 4:59:52 PM
From File	ProUCL Input-D2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lilliefors Test Statistic	0.0898	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0998	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	104.5	Mean in Log Scale	3.33
SD in Original Scale	308.9	SD in Log Scale	1.53
95% t UCL (assumes normality of ROS data)	144.4	95% Percentile Bootstrap UCL	146.2
95% BCA Bootstrap UCL	163.2	95% Bootstrap t UCL	188.4
95% H-UCL (Log ROS)	123.9		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	3.553	KM Geo Mean	34.91
KM SD (logged)	1.285	95% Critical H Value (KM-Log)	2.422
KM Standard Error of Mean (logged)	0.15	95% H-UCL (KM -Log)	101.7
KM SD (logged)	1.285	95% Critical H Value (KM-Log)	2.422
KM Standard Error of Mean (logged)	0.15		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	107.5	Mean in Log Scale	3.658
SD in Original Scale	308	SD in Log Scale	1.178
95% t UCL (Assumes normality)	147.3	95% H-Stat UCL	96.14

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

KM H-UCL	101.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.